METEOROLOGICAL OFFICE

LONDON.

DAILY WEATHER REPORTS.

1ST JULY—31ST DECEMBER.

1886.

Soc. Regi. Lond.

DAILY WEATHER REPORT.

July to December 1886.

DAILY WEATHER REPORT.

for Monday 1st November *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	30·06	36	W	4	b	30·40	+·52	28	27	-14	N	2	c	*	43	*	-
	Hernösand ...	30·28	35	2	0	b	30·39	+·17	30	29	-9	2	0	c	*	52	*	-
	Stockholm ...	30·34	39	NNW	2	bc	30·43	+·17	36	35	-6	S	2	f	*	46	36	0·04
	Wisby	30·28	45	NNW	4	c	30·35	+·13	45	44	+1	ESE	4	o	*	46	41	-
	Bodö	30·17	41	W	4	c	30·05	+·22	45	39	+1	ESE	4	c	2	45	37	-
	Christiansund...	30·05	49	ESE	6	o	29·91	+·28	55	48	+12	SE	6	c	2	55	?	-
	Skudesnaes ...	30·08	53	SSE	8	n	29·98	-·20	53	50	+1	SSE	8	o	5	54	52	-
	Christiania Fjord (Færder)	30·30	48	2	0	f	30·30	+·01	46	45	+2	SSE	6	o	2	48	?	0·08
	Skagen (The Scaw)	30·28	48	SW	2	o	30·28	·00	46	45	-2	S	2	o	3	50	45	-
	Fanö	30·21	44	SE	4	b	30·17	-·09	43	43	+2	SE	4	c	*	50	43	-
BRITISH ISLANDS.	Sumburgh Head	29·81	51	SSE	3	o	29·64	-·23	50	48	0	SSE	3	o	4	52	47	0·02
	Stornoway ...	29·68	52	S	6	bq	29·49	-·22	50	47	0	S	6	cqp	6	54	45	0·08
	Wick	29·76	52	S	1	b	29·64	-·17	51	49	+1	S	4	cu	2	58	48	-
	Nairn	29·77	51	SSW	3	bc	29·59	-·19	52	47	-3	SSW	1	c	1	58	47	-
	Aberdeen... ...	29·85	51	SW	2	b	29·71	-·18	50	48	-2	S	4	bc	2	56	45	0·04
	Leith ...	29·89	50	SW	1	b	29·73	-·16	52	48	0	SW	1	c	*	61	45	-
	Shields	29·94	52	2	0	b	29·83	-·13	48	47	-5	SSW	3	c	2	58	46	-
	Spurn Head ...	30·01	55	SSE	3	o	29·94	-·10	53	52	0	S	3	c	2	56	52	0·20
	York	29·99	58	S	1	m	29·90	-·11	50	49	-4	S	2	bc	*	59	50	0·03
	Loughborough	30·01	57	SE	1	n	29·97	-·07	50	50	-5	SSW	2	ow	*	60	50	0·03
	Ardrossan ...	29·86	53	SSE	4	b	29·70	-·17	50	49	-2	SE	4	nm	3	53	48	0·19
	Malin Head ...	29·71	51	SSE	4	b	29·60	-·21	47	46	-2	SW	4	cqp	4	54	46	0·01
	Mullaghmore .	29·67	53	S	7	bc	29·69	-·10	46	44	-4	SSW	3	bc	3	56	44	-
	Belmullet ...	29·63	51	SSW	8	n	29·69	-·12	49	46	-2	SW	5	b	*	54	43	0·21
	Donaghadee ...	29·86	51	SSW	2	bc	29·74	-·18	48	46	+1	SW	4	c	2	55	47	0·04
	Barrow-in-Furness	29·96	51	ESE	3	b	29·84	-·11	50	48	-4	E	6	o	*	55	49	0·02
	Liverpool (Bidston)	29·98	52	S	2	b	29·90	-·07	49	47	-5	S	3	o	3	57	47	-
	Holyhead ...	29·94	53	SSW	4	cp	29·87	-·10	47	46	-4	SW	2	bcp	3	56	47	0·20
	Parsonstown ...	29·82	50	SE	1	b	29·83	-·11	44	42	-1	SSW	1	bc	*	57	41	0·15
	Valencia	29·74	55	S	8	ou	29·84	-·07	52	49	-2	SSW	6	o	5	56	45	0·38
	Roche's Point...	29·86	55	SSW	5	b	29·87	-·09	47	45	-3	WSW	2	b	4	56	45	0·25
	Pembroke ...	29·98	53	WSW	3	c	29·93	-·10	53	51	0	WSW	5	c	4	56	49	0·04
	Scilly	30·00	55	SSW	4	o	30·00	-·01	53	50	0	WSW	5	c	6	58	50	0·03
	Prawle Point ...	30·06	53	SW	2	o	30·03	-·03	52	50	-3	WSW	3	b	3	55	50	0·09
	Jersey	30·07	58	SSW	3	o	30·07	-·05	55	52	-1	W	4	sq	3	58	53	0·43
	Hurst Castle ...	30·06	57	SSW	2	am	30·02	-·08	55	55	-2	SSW	1	cmd	1	58	53	0·52
	Dungeness ...	30·09	57	WSW	3	c	30·02	-·12	57	57	0	S	4	n	3	61	56	-
	London	30·07	58	SSW	2	o	30·02	-·08	53	52	-2	S	1	o	*	61	53	0·16
	Oxford	30·02	56	SSE	1	n	30·00	-·07	51	51	-4	S	1	cm	*	59	51	0·30
	Cambridge ...	30·05	58	S	1	n	30·01	-·08	52	52	-3	S	1	o	*	60	50	0·31
	Yarmouth ...	30·07	54	S	1	cf	30·01	-·09	56	55	+3	SSW	2	oam	3	57	51	0·02
GERMANY.	Cuxhaven ...	30·23	49	ESE	1	f	30·18	-·12	44	43	0	ESE	2	c	*	50	42	-
	Berlin	30·30	42	S	1	b	30·30	-·04	35	33	+1	E	1	b	*	48	34	-
	Wiesbaden ...	*	*	*	*	*	30·28	-·05	39	39	0	2	0	o	*	52	34	-
	Munich	30·30	38	2	0	f	30·28	-·05	39	39	+5	E	1	f	*	39	34	0·04
FRANCE & NETHERLANDS.	The Helder ...	30·13	50	SSE	1	b	30·09	-·09	45	45	-2	S	1	f	1	55	43	-
	Brussels	*	*	*	*	*	30·17	-·03	45	44	-5	S	1	f	*	62	44	-
	Cape Gris Nez...	30·07	55	SW	1	b	30·03	-·07	55	54	0	SSW	4	o	2	59	52	-
	Paris	30·19	50	S	1	f	30·17	-·05	47	47	0	SSE	3	f	*	50	45	-
	Brest	30·07	55	2	0	n	30·07	+·01	55	52	-2	W	5	o	5	?	54	0·24
	Lorient	30·16	59	WSW	3	n	?	?	56	53	-2	W	4	c	2	63	50	0·84
	Rochefort ...	30·19	57	SW	4	m	30·21	-·02	58	58	+4	S	4	m	2	66	48	0·12
	Belfort																	
	Lyons	30·24	50	NNW	1	f	30·26	-·04	46	46	-2	SSW	1	b	*	54	46	-
	Nice	30·28	56	E	1	b	30·28	-·01	51	46	-1	ESE	1	b	2	64	50	-
PENINSULA.	Perpignan ...														*			
	Biarritz	30·15	63	W	1	c	30·16	-·01	60	58	-1	SE	3	m	0	66	56	-
	Corunna	*	*	*	*	*												
	Lisbon	30·15	62	NNW	5	b	?	?	56	54	-1	N	5	b	2	70	55	-

For Explanation of Columns, see p. 2.

WEATHER CHARTS

for 8 a.m. on Monday 1st November. 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevailing winds. They fly with the wind and their barbs and feathers refer to force, thus —*

= forces above 10, = forces 8 to 10,
= forces 5 to 7, = forces 1 to 4,
⊙ = dead calm.

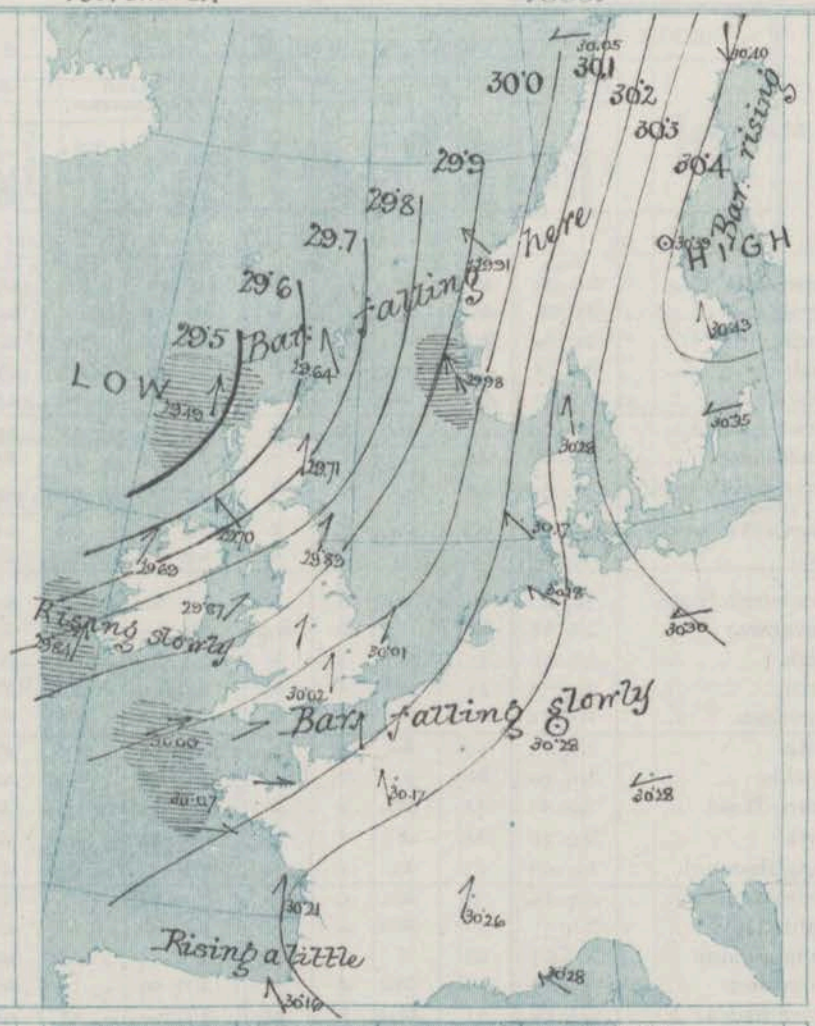
Sea Disturbance — *where considerable is shewn thus*

= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November. During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather is shown by Letters of the Beaufort Scale.

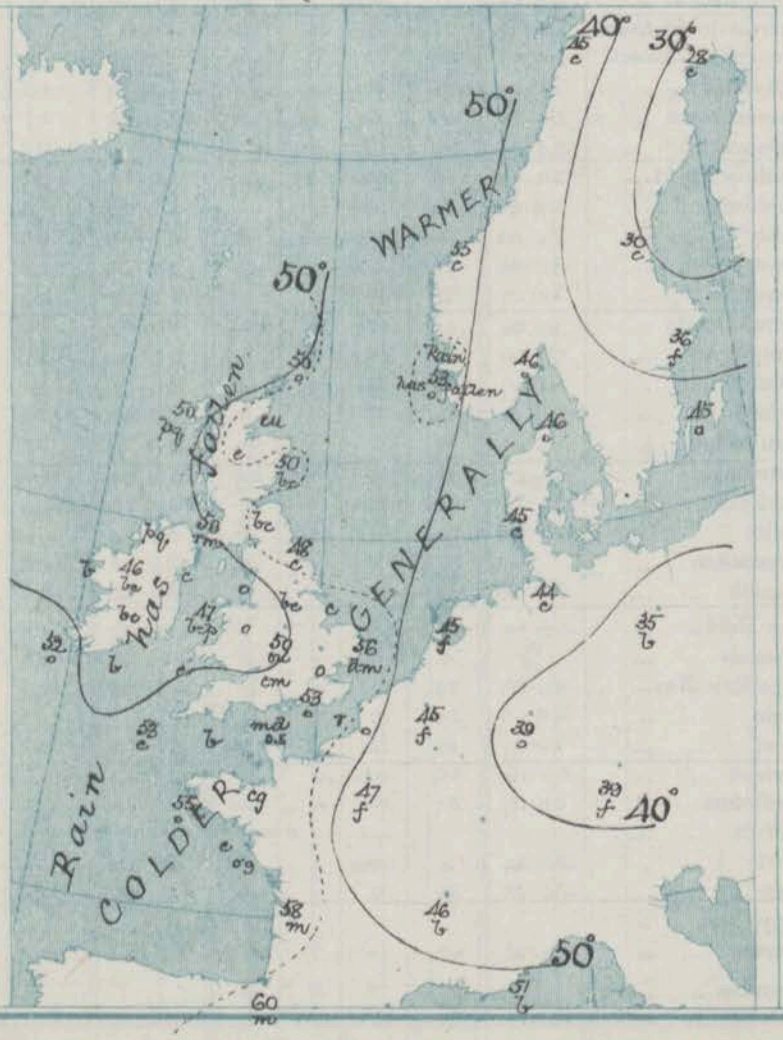
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·[illegible]	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE – The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins. and upwards, in an anticyclone lying over the Gulf of Bothnia.
Lowest, 29·5 ins. and less off the west of Scotland.

TEMPERATURE — Highest, 60° at Biarritz, 58° at Rochefort and 57° at Dungeness.
Lowest, 28° at Haparanda. 30° at Hernosand, 35° at Berlin and 44° at Parsonstown.

WIND — Strong SE^{ly} on the eastern shores of the North Sea, light E^{ly} in Germany.
Moderate W^{ly} at the mouth of the Channel, but S^{ly} or SW^{ly} elsewhere, and strong in force at some of our western stations.

WEATHER — Rainy in the south-east of England, showery on our extreme north-west coasts.
Foggy or misty at some of the French and German stations, but fair or fine elsewhere.

SEA — Rough at Lerwick H^{d} and Scilly, rather rough at Valencia, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

An anticyclone lies over the Gulf of Bothnia, while some depressions are moving northwards along our extreme western coasts.

These conditions seem likely to hold for the present, but there is a tendency for the formation of shallow subsidiary disturbances over England and unsettled weather is therefore probable in most districts.

FORECASTS

for the 24 hours ending at NOON on 2nd Nov^{r} *1886.*

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^{ly} winds, moderate or fresh; cloudy, some rain.
1 SCOTLAND EAST	------ D° ------ D° ------ D° ------
2 ENGLAND N.E.	Same as No. 5
3 ENGLAND EAST	Same as No. 5
4 MIDLAND COUNTIES	Same as No. 5.
5 ENGLAND SOUTH	S^{ly} and SW^{ly} winds, moderate; mild, changeable, some rain.
6 SCOTLAND WEST	SE^{ly} and S^{ly} winds, moderate; cloudy, some rain.
7 ENGLAND N.W.	------ D° ------ D° ------ D° ------
8 ENGLAND S.W	SW^{ly} winds, fresh or strong; cloudy, some rain.
9 IRELAND NORTH	S^{ly} and SW^{ly} winds, strong in places; fair to cloudy and some rain.
10 IRELAND SOUTH	------ D° ------ D° ------ D° ------
WARNINGS	The south cone was hoisted last evening in districts 0.1. and 6 to 9, but the signals have been lowered this morning. An asterisk is inserted against the district in which the signals are now flying.

Frank Darlington and Co., Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.15	53	51	SSE 6	0	4	Holyhead ...						
Sumburgh Head							Valencia						
Stornoway ...							Scilly						
Aberdeen ...							Dungeness ...						
Shields							London						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey						
Mullaghmore ...							Rochefort ...	30.20	62	60	NW 1	m	1
Belmullet ...													

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental and British reports for yesterday showed that pressure was uniformly high over Europe and low over the Atlantic, the readings varying from 30.5 ins and upwards over Austria and Southern Russia to about 29.7 ins off the north-west coasts of the British Islands. The barometer was falling, most in the west and north-west. SW.ly (S to W) winds prevailed very generally, but were not strong, and while the weather was fine and cold over South-eastern and Eastern Europe it was mild, dull, misty and showery in the west. Temperature varied from about 68° over the Central and Southern parts of the Mediterranean and from between 50° and 55° over the south of France and the British Islands to below 40° over Central France, Germany and Eastern Europe and to 23° over Austro-Hungary. The highest individual readings were 68° at Malta, Palma and Alicante and 64° at Brindisi, Cagliari and Sanguinaire; the lowest 23° at Hermanstadt and 28° at Budapesth.

During the day temperature rose to between 60° and 65° in the south of France and to 61° over the extreme south-east of England. The S.ly wind increased to a gale in the extreme west and southwest of Ireland, and showery weather prevailed over the western parts of the British Islands and France.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 24th TO THE 30th OCTOBER 1886.

During the earlier portion of the past week the weather was dull, and at times wet over the southern and southwestern parts of the United Kingdom, fine but rather foggy elsewhere; later on the rain spread northwards over England and Ireland, and the wind veered from E. to SE. and S, with a rise of temperature and damp close air. Pressure was highest over Sweden and the Baltic, and as a rule lowest over the Bay of Biscay and off our south-western coasts, the gradients for E.ly winds being steepest on the 25th. Two depressions appeared during the week.

The first reached the Bay of Biscay from the westward early on the 25th, and after remaining in that region till the 27th began to move slowly to the north-westward and grow shallower. On Thursday (29th) its centre passed northwards outside the Irish coasts, and the barometer rose over South-western Europe.

The second was apparently a larger but not deep system. It approached the Irish coasts on the 30th and moving northwards, caused freshening S.ly winds and rain in the west, while light S.ly breezes were felt at the eastern stations; with very mild, but dull and damp weather

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 2nd November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	30·34	35	SE	4	bc	30·16	-·24	41	40	+13	S	6	0	*	41	27	0·08
	Hernösand ...	30·33	40	S	8	0	30·31	-·08	41	40	+11	S	4	0	*	41	28	-
	Stockholm ...	30·43	44	ESE	2	c	30·39	-·04	46	44	+10	SSE	4	0	*	46	34	-
	Wisby	30·37	44	SW	4	0	30·34	-·01	45	42	0	S	4	0	*	50	43	-
	Bodö	29·89	46	ENE	4	b	29·94	-·15	48	45	+8	ESE	2	bc	1	?	43	0·12
	Christiansund...	29·82	52	SW	4	0	29·84	-·07	51	46	-4	SSE	3	b	3	57	45	0·04
	Skudesnaes ...	30·01	51	SSE	7	h	30·01	+·03	52	51	-1	SSE	6	0	5	54	?	-
	Christiania Fjord (Farder)	30·23	?	SE	8	0	30·19	-·11	46	45	0	SE	6	0	4	48	46	0·16
	Skagen (The Scaw)	30·21	48	S	4	bc	30·17	-·11	48	45	+2	S	4	c	3	48	45	-
	Fanö	30·13	43	SSE	4	c	30·16	-·01	43	43	-2	SSE	4	f	*	50	39	-
BRITISH ISLANDS.	Sumburgh Head	29·65	49	W	3	bc	29·66	+·02	49	46	-1	SW	3	b	4	52	44	0·01
	Stornoway ...	29·34	50	S	6	qcp	29·66	+·17	45	42	-5	SSW	5	bc	5	51	42	0·29
	Wick	29·70	48	SW	2	b	29·78	+·11	47	45	-4	S	2	bc	1	53	45	-
	Nairn	29·69	47	SSE	2	c	29·75	+·16	46	42	-6	SW	3	b	2	55	42	-
	Aberdeen... ...	29·81	48	SSW	4	0	29·85	+·14	46	44	-4	SW	3	b	2	56	45	-
	Leith ...	29·88	50	SW	2	c	29·91	+·18	48	45	-4	WSW	1	b	*	54	46	0·01
	Shields	29·93	50	S	1	bm	29·98	+·15	49	47	+1	SW	3	c	2	55	45	-
	Spurn Head ...	30·03	51	S	2	b	30·06	+·12	48	47	-5	S	4	bc	2	57	45	-
	York	29·99	49	SSW	1	b	30·04	+·14	48	47	-2	S	1	0	*	55	45	-
	Loughborough	30·04	50	S	2	b	30·06	+·09	48	46	-2	SSW	3	0	*	59	45	-
	Ardrossan ...	29·98	51	S	5	0	29·91	+·21	49	47	-1	SW	4	b	3	58	48	0·08
	Malin Head ...	29·88	48	S	3	0	29·87	+·29	47	44	0	WSW	3	bp	4	51	40	0·12
	Mullaghmore .	29·89	50	S	8	ogq	29·95	+·26	46	44	0	SW	5	bc	4	51	44	0·05
	Belmullet ...	29·87	46	SSW	6	0	29·98	+·29	48	45	-1	W	3	b	*	51	45	0·17
	Donaghadee ...	29·98	51	WSW	5	c	29·98	+·24	42	41	-6	WSW	4	b	2	53	39	0·01
	Barrow-in-Furness	29·93	52	SE	5	bc	30·00	+·16	50	48	0	WSW	2	bc	4	53	48	0·41
	Liverpool (Bidston)	29·98	50	SSW	2	c	30·04	+·14	48	47	-1	SW	1	c	2	56	48	0·05
	Holyhead ...	29·91	53	SSW	5	oq	30·05	+·18	49	46	+2	W	4	bc	4	55	47	0·14
	Parsonstown ...	29·77	48	SSE	1	0	30·07	+·24	40	39	-4	S	0	b	*	51	38	0·03
	Valencia	29·76	52	SSW	7	0	30·12	+·28	47	45	-5	W	3	bm	4	53	45	0·38
	Roche's Point...	29·83	53	SSW	7	h	30·12	+·25	46	44	-1	W	2	b	4	55	43	0·15
	Pembroke ...	29·98	53	SSW	6	c	30·10	+·17	51	49	-2	WNW	3	c	8	55	49	0·05
	Scilly	30·04	53	SSW	5	oq	30·13	+·13	53	50	0	WNW	5	c	6	58	50	0·08
	Prawle Point ...	30·11	53	WSW	3	c	30·13	+·10	50	49	-2	WNW	3	c	3	57	49	0·13
	Jersey	30·15	54	WNW	2	cgp	30·17	+·10	54	52	-1	SW	4	bcm	3	59	52	0·12
	Hurst Castle ...	30·12	54	W	3	bc	30·14	+·12	55	53	0	SW	4	bc	1	58	51	-
	Dungeness ...	30·11	55	SW	3	c	30·15	+·13	55	53	-2	W	3	c	2	59	51	0·05
	London	30·11	51	SW	1	b	30·14	+·12	50	49	-3	S	1	c	*	58	58	0·18
	Oxford	30·11	48	SW	3	bc	30·12	+·12	47	46	-4	SW	2	0	*	59	45	0·02
	Cambridge ...	30·08	48	WSW	1	b	30·13	+·12	48	48	-4	S	1	0	*	58	41	-
	Yarmouth ...	30·06	54	WSW	2	c	30·13	+·12	51	50	-5	SSW	2	cm	2	58	46	0·11
GERMANY	Cuxhaven ...	30·14	47	SE	2	b	30·20	+·02	46	46	+2	S	1	f	*	49	44	-
	Berlin	30·25	40	E	1	b	30·33	+·03	35	35	0	S	1	f	*	48	32	-
	Wiesbaden ...	*	*	*	*	*	30·34	+·06	45	45	+6	SE	0	0	*	46	[illegible]	0·04
	Munich	30·33	44	E	0	f	30·39	+·11	45	45	+6	W	1	m	*	45	[illegible]	-
FRANCE & NETHERLANDS.	The Helder ...	30·13	50	S	1	f	30·19	+·10	49	49	+4	S	1	f	1	52	45	0·04
	Brussels	*	*	*	*	*	30·22	+·05	52	52	+7	S	1	h	*	56	?	0·04
	Cape Gris Nez...	30·10	56	SSW	4	c	30·12	+·09	54	53	-1	SW	7	0	4	57	48	-
	Paris	30·23	54	S	1	bc	30·25	+·08	53	53	+6	SSW	1	0	*	57	?	0·20
	Brest	30·16	55	W	5	0	30·15	+·08	53	51	-2	NW	4	h	5	57	52	0·12
	Lorient	30·25	57	W	4	bc	30·23	?	56	52	0	W	4	bc	3	61	48	0·12
	Rochefort ...	30·26	58	S	5	h	30·32	+·11	56	55	-2	W	3	0	2	59	50	0·20
	Belfort	30·26	44	W	1	f	30·31		42	41		E	1	f	*	56	39	-
	Lyons														*			
	Nice...	30·33	56	SE	0	b	30·36	+·08	50	46	-1	E	1	b	1	68	46	-
PENINSULA.	Perpignan ...	30·24	58	SE	0	c	30·32		54	54		SE	0	h	*	67	52	0·04
	Biarritz	30·25	59	WSW	3	bc	30·32	+·16	55	53	-5	S	4	of	5	63	52	0·63
	Corunna	*	*	*	*	*												
	Lisbon	30·21	59	N	7	b	30·32	?	55	53	-1	N	5	b	2	68	52	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 2nd November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

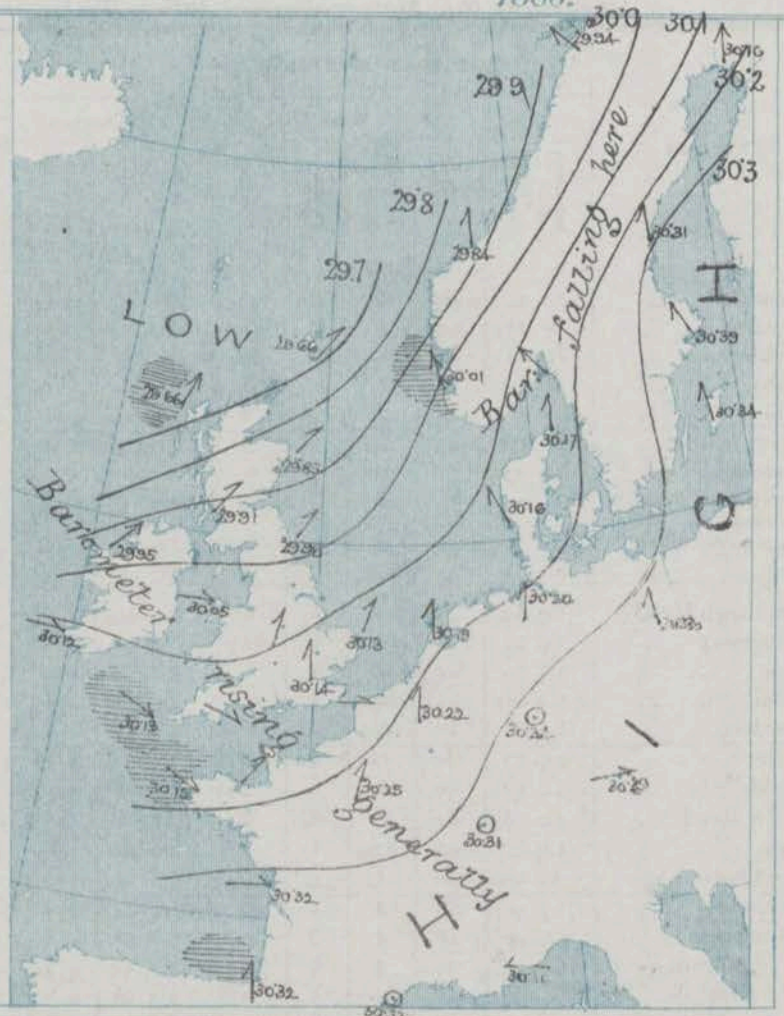
» ⟶ = forces above 10; ⟶ = forces 8 to 10;
⟶ = forces 5 to 7; ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November. During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

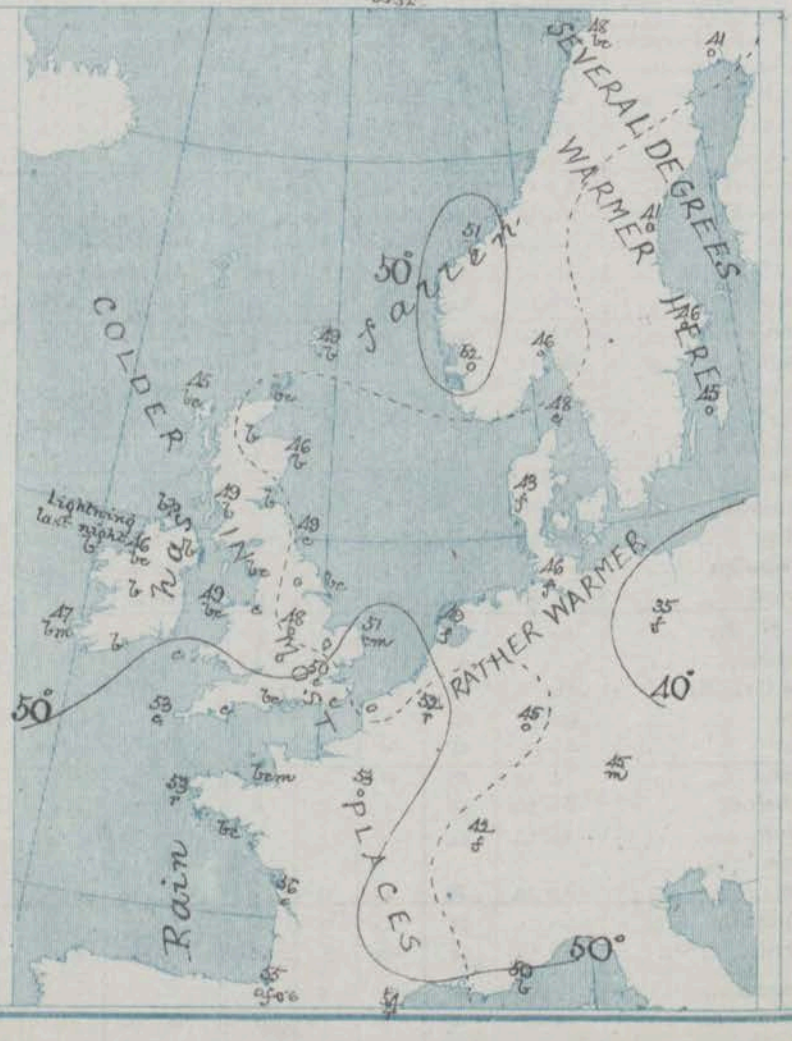
Rainfall — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — *The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.*



GENERAL SITUATION AT 8 A.M.

PRESSURE
Highest, 30·3 ins. and upwards, in a large anticyclonic area, the western edge of which covers the Baltic, Germany, Switzerland and the southern parts of France and the Bay of Biscay.
Lowest, 29·7 ins. and less, in the extreme north of our Islands.

TEMPERATURE
Highest, 56° at Lorient and Rochefort, and 55° at Hurst Castle and Dungeness.
Lowest, 35° at Berlin, 40° at Parkmoseron and 41° at Haparanda and Hernosand.

WIND
Moderate W. on our southwest coasts and in the west of France
SW. or S. in the north and east of our Islands; strong SE. on the eastern shores of the North Sea.
Light and variable in Germany.

WEATHER
Fine over the greater part of our Islands.
Dull in Sweden and the south of France.
Foggy over Germany, the Netherlands, and the south of Sweden.

SEA
Rough at Scilly, and rather rough at Stornoway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay to the westward of Scotland yesterday morning, and a fresh disturbance which subsequently appeared off the Irish coasts have both moved away to the northward of our Islands, and the barometer is now rising at all but the Scandinavian stations.

There is at present no sign of the advance of any fresh depression, but the distribution of pressure is favourable for the appearance of cyclonic systems in the west, and subsidiary depressions are not unlikely to form over our more eastern districts.

FORECASTS

for the 24 hours ending at NOON on 3rd November. 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. to S. winds, moderate; fine to cloudy and some rain.	6 SCOTLAND WEST	SW. to S. winds, moderate; fair generally, but some showers.
1 SCOTLAND EAST	------ D° -------- D° -------- D° ------	7 ENGLAND N.W.	------ D° -------- D° -------- D° ------
2 ENGLAND N.E.	SW. winds, moderate; changeable, some rain.	8 ENGLAND S.W.	W. to SW. winds, moderate or fresh; fair to cloudy and some rain.
3 ENGLAND EAST	------ D° -------- D° -------- D° ------	9 IRELAND NORTH	W. winds, backing to SW. and freshening; fair to squally and rainy.
4 MIDLAND COUNTIES	------ D° -------- D° -------- D° ------	10 IRELAND SOUTH	------ D° -------- D° -------- D° ------
5 ENGLAND SOUTH	SW. winds, moderate; fair to cloudy and some rain.	WARNINGS	NONE ISSUED

Fredk Dangerfield, Lith. London, W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.94	53	50	SSE 9	o	6	Holyhead ...	29.91	55	51	SW 4	bcqp	4
Sumburgh Head	29.59	51	49	S 3	o	4	Valencia	29.76	53	52	S 8	pqu	7
Stornoway ...	29.56	49	46	SSW 5	cqp	5	Scilly	30.04	58	54	SW 5	bc	6
Aberdeen ...	29.73	52	48	SSW 5	bq	3	Dungeness ...	30.05	59	57	SSW 4	c	4
Shields	29.89	55	48	SW 4	bcp	2	London	30.08	56	54	S 3	c	*
Ardrossan ...	29.79	51	48	S 4	c	3	Yarmouth ...	30.04	58	55	SW 2	bc	3
Malin Head ...	29.64	50	46	SW 4	o	4	Jersey	30.13	59	55	WSW 3	bc	3
Mullaghmore ...	29.68	50	47	SSW 6	c	5	Rochefort ...	30.25	58	55	SSE 4	n	2
Belmullet ...	29.61	51	48	SSW 5	op	2							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8 am today see pp 2 and 3)

The Continental Reports have not arrived.

ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that on the 27th Ults: icebergs were seen in Lat 46° N. Long 47° N.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 3rd Nov.r *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. **SCOTT**, *Secretary.*

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	30·09	41	S	6	0	30·04	− ·12	40	39	− 1	W	2	b	*	41	37	—
	Hernösand ...	30·19	42	S	2	0	30·21	− ·10	35	35	− 6	2	0	b	*	43	?	—
	Stockholm ...	30·32	46	S	4	0	30·33	− ·06	44	42	− 2	SW	4	f	*	46	41	—
	Wisby	30·34	42	S	4	b	30·30	− ·04	45	43	0	SW	4	0	*	48	41	—
	Bodö	29·75	47	E	2	0	29·90	− ·04	48	43	0	S	2	0	1	50	43	0·04
	Christiansund...	29·90	47	WSW	6	c	29·82	− ·02	48	41	− 3	ESE	1	b	3	55	41	—
	Skudesnaes ...	30·12	50	SSW	4	c	30·00	− ·01	52	50	0	SSE	8	0	6	52	50	—
	Christiania Fjord (Fœrder)	30·17	49	SSE	6	bc	30·20	+ ·01	47	47	+ 1	SSE	6	f	3	?	46	—
	Skagen (The Scaw)	30·25	47	WSW	1	b	30·24	+ ·07	47	47	− 1	SSW	2	0	1	48	41	0·04
	Fanö	30·32	46	SSW	3	0	30·22	+ ·06	46	46	+ 3	SSE	4	r	*	54	43	0·04
BRITISH ISLANDS.	Sumburgh Head	29·87	49	SW	4	c	29·45	− ·21	49	47	0	S	7	0	6	51	47	0·02
	Stornoway ...	29·78	50	S	6	cq	29·17	− ·49	51	50	+ 6	S	9	rq	7	51	? 45	0·31
	Wick	29·90	48	SW	2	bc	29·36	− ·39	51	49	+ 4	SW	7	ow	2	52	45	—
	Nairn	29·93	47	SW	2	c	29·40	− ·35	53	48	+ 7	SSW	5	c	5	53	43	—
	Aberdeen... ...	30·04	46	SSW	2	b	29·61	− ·24	48	46	+ 2	S	8	rq	5	53	42	—
	Leith ...	30·07	46	W	1	b	29·61	− ·30	53	49	+ 5	SW	5	0	*	53	44	—
	Shields	30·13	49	2	0	bm	29·88	− ·10	44	41	− 5	S	4	c	2	54	39	—
	Spurn Head ...	30·18	49	WSW	1	b	30·08	+ ·02	44	42	− 4	S	4	bmw	2	54	42	—
	York	30·18	45	SW	1	b	29·95	− ·09	41	40	− 7	S	4	c	*	55	36	—
	Loughborough	30·22	44	W	1	b	30·08	+ ·02	40	39	− 8	SSE	2	cmw	*	55	32	—
	Ardrossan ...	30·05	51	SW	4	b	29·55	− ·36	52	51	+ 3	S	8	r	6	53	48	0·15
	Malin Head ...	29·94	48	SSW	3	om	29·28	− ·59	51	51	+ 4	SSW	8	0	6	52	46	0·11
	Mullaghmore .	29·98	50	SW	6	o	29·36	− ·59	54	53	+ 8	S	9	or	6	54	36	0·30
	Belmullet ...	29·92	50	SSW	6	r	29·40	− ·58	50	49	+ 2	W	6	r	*	55	47	0·65
	Donaghadee ...	30·11	45	W	3	b	29·59	− ·39	51	50	+ 9	SW	8	r	6	53	42	0·02
	Barrow-in-Furness	30·16	50	SSW	3	b	29·86	− ·14	46	44	− 4	SE	7	ow	*	53	44	—
	Liverpool (Bidston)	30·20	47	SSW	1	b	29·90	− ·14	45	44	− 3	SE	4	r	3	53	39	0·12
	Holyhead ...	30·18	49	SW	3	bc	29·82	− ·23	52	51	+ 3	SSW	8	rqm	6	54	49	0·43
	Parsonstown ...	30·10	47	SSE	1	o	29·55	− ·52	55	54	+ 1	SSW	3	r	*	55	38	0·11
	Valencia	30·10	53	SSW	7	o	29·54	− ·58	56	56	+ 9	SSW	9	rm	7	56	46	0·48
	Roche's Point...	30·17	52	SW	4	c	29·72	− ·40	55	55	+ 9	SW	8	rm	6	56	46	0·30
	Pembroke ...	30·22	52	SW	3	b	29·91	− ·19	52	51	+ 1	SSW	7	rq	6	54	50	0·04
	Scilly	30·26	51	WSW	3	c	30·02	− ·11	54	53	+ 1	SSW	7	r	6	55	50	0·17
	Prawle Point ...	30·27	48	WNW	3	b	30·15	+ ·02	52	50	+ 2	SW	5	ogw	5	58	43	—
	Jersey	30·27	51	NW	2	b	30·24	+ ·07	51	47	− 3	SW	4	cg	3	56	48	0·02
	Hurst Castle ...	30·25	50	WNW	3	b	30·18	+ ·04	50	48	− 2	SSW	5	cw	2	59	39	0·15
	Dungeness ...	30·20	56	W	3	cp	30·21	+ ·06	39	39	− 16	W	1	cfw	3	58	36	0·02
	London	30·23	51	S	1	bf	30·18	+ ·04	43	42	− 7	S	2	b	*	60	34	0·07
	Oxford	30·25	44	WSW	1	b	30·15	+ ·03	40	39	− 7	SSW	2	bc	*	53	36	0·11
	Cambridge ...	30·22	49	2	0	c	30·15	+ ·02	39	38	− 9	S	1	b	*	59	34	0·02
	Yarmouth ...	30·20	53	2	0	bc	30·17	+ ·04	45	44	− 6	WSW	2	bf	2	56	43	—
GERMANY	Cuxhaven ...	30·28	49	SE	1	c	30·25	+ ·05	48	48	+ 2	SSE	2	f	*	50	46	—
	Berlin	30·36	42	2	0	f	30·37	+ ·04	41	41	+ 6	SE	1	f	*	43	?	—
	Wiesbaden ...	*	*	*	*	*	30·35	+ ·01	49	49	+ 4	2	0	0	*	50	?	—
	Munich	30·40	46	2	0	0	30·38	− ·01	42	41	− 3	E	3	f	*	52	41	—
FRANCE & NETHERLANDS.	The Helder ...	30·27	46	S	1	b	30·20	+ ·01	41	40	− 8	S	1	f	1	54	39	—
	Brussels	*	*	*	*	*	30·26	+ ·04	47	47	− 5	S	1	f	*	55	42	0·04
	Cape Gris Nez...	30·21	55	WSW	5	c	30·21	+ ·09	47	47	− 4	SW	3	bc	2	59	46	—
	Paris	30·30	53	SW	1	bc	30·32	+ ·07	41	41	− 12	S	1	b	*	62	41	0·20
	Brest	30·20	51	NNW	3	b	30·23	+ ·08	55	50	+ 2	SW	5	0	5	55	48	0·08
	Lorient	30·34	55	N	4	b	30·30	+ ·07	54	48	− 2	SSW	4	0	2	59	45	0·08
	Rochefort ...	30·36	57	W	3	o	30·38	+ ·06	49	49	− 7	ENE	3	m	2	?	45	0·12
	Belfort	30·32	45	E	1	r	30·31	·00	50	49	+ 8	W	1	o	*	59	40	0·08
	Lyons																	
	Nice...																	
PENINSULA.	Perpignan ...	30·33	56	2	0	r	30·32	0	53	51	− 1	W	4	b	*	65	54	0·32
	Biarritz	30·38	58	SW	4	o	30·38	+ 6	55	52	0	S	4	c	5	63	52	0·55
	Corunna																	
	Lisbon	30·31	59	N	7	b	30·35	+ 3	52	50	− 3	?	5	b	5	64	50	—

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday. 3rd November. 1886.

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(Explanation of Map)

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Holyhead	29·845
Liverpool	29·862
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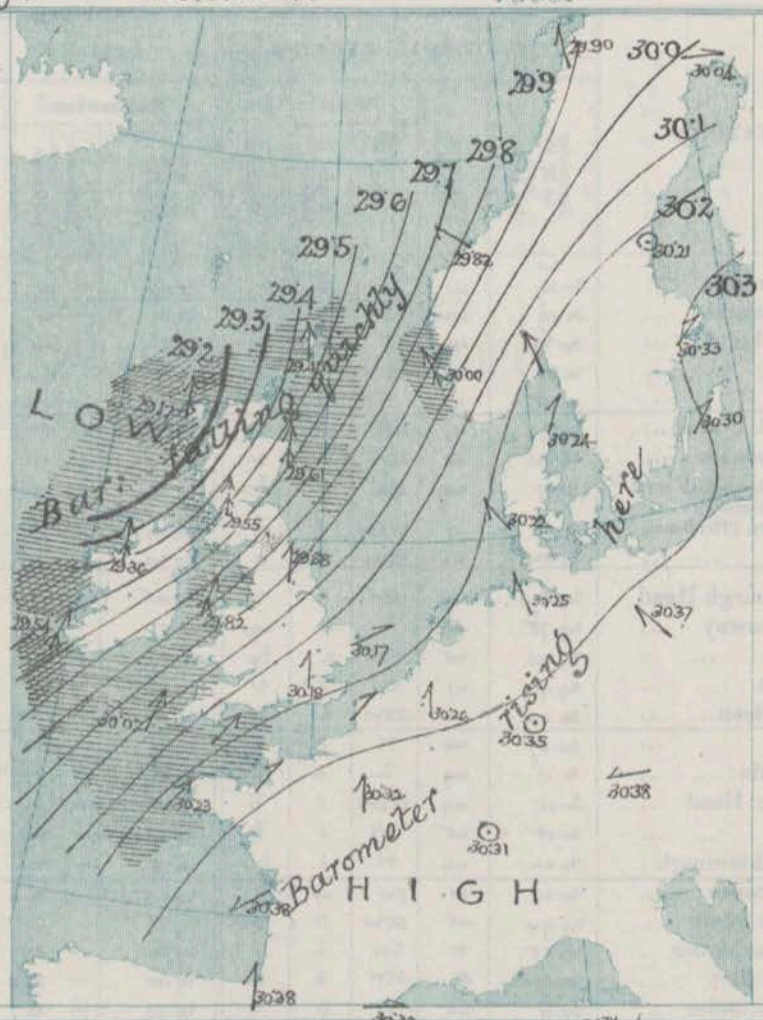
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



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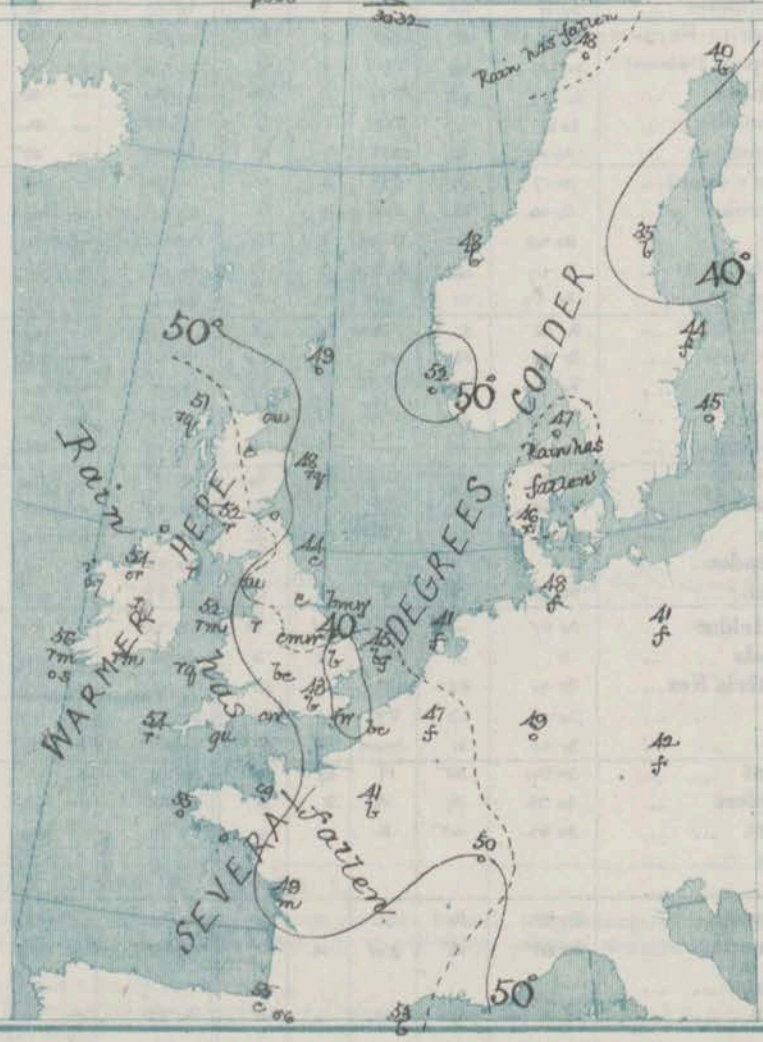
MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE
Highest, 30.3 ins and upwards over the Baltic and Central and Southern Europe.
Lowest, 29.2 ins and less in a deep depression lying off the west of Scotland.
Steep gradients for S'ly and SW'ly winds over our western and northern coasts.

TEMPERATURE
Highest, 56° at Valencia and 55° at Roche's Point, Brest and Biarritz.
Lowest, 35° at Hornisand 39° at Cambridge and Dungeness and 41° at Berlin.
Frost occurred over Central England last night.

WIND
Light SE'ly in Germany and the south of Denmark
S'ly or SW'ly elsewhere; moderate on our eastern and southern coasts, but strong to a gale in the west and north
A "whole gale" from S was experienced last night on the western coast of Ireland and Scotland.

WEATHER
Rainy at nearly all our western and northern stations.
Fair or fine elsewhere, but foggy over Germany and the Netherlands
Aurora was seen last night at Wick and Aberdeen.

SEA
High at Stornoway and Valencia, and rough or rather so on our southwestern, western and extreme northern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a deep depression has appeared off our extreme western coasts and occasioned a rapid fall of the barometer in the west and north generally.

The centre of the main disturbance is apparently moving northwards along the west coasts of Scotland, and in its rear the wind at Belmullet has veered to W.

At Valencia, however, the wind holds S'ly, and as the barometer there is still falling fast it is probable that a subsidiary disturbance is approaching Ireland. The S'ly gales and rain are, therefore, likely to extend eastwards, but it is at present doubtful whether the former will affect our extreme south-east coasts.

FORECASTS

for the 24 hours ending at NOON on 4th November *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
*0 SCOTLAND NORTH	S'ly gales, moderating later; squally and rainy to fair.	*6 SCOTLAND WEST	S'ly gales, moderating later; squally, rain at times.
*1 SCOTLAND EAST	---------- D° ---------- D° ----------	*7 ENGLAND N. W.	---------- D° ---------- D° ----------
*2 ENGLAND N.E.	S'ly winds, increasing to a gale; squally, rainy.	*8 ENGLAND S. W	S'ly and SW'ly gales, squally and rainy at first, some improvement later.
3 ENGLAND EAST	Same as No. 5.	*9 IRELAND NORTH	---------- D° ---------- D° ----------
4 MIDLAND COUNTIES	Same as No. 5.	*10 IRELAND SOUTH	---------- D° ---------- D° ----------
5 ENGLAND SOUTH	S'ly and SW'ly winds, increasing considerably in force; squally, rainy	WARNINGS	The S cone was hoisted last evening in districts 0, 6, 9, 10 and part of 1, and this morning in districts 2, 7, 8 and the remainder of 1. An asterisk is inserted against those districts in which it is now flying.

Fredk Dangerfield, Lith. London, W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·04	52	50	S	5	o	6	Holyhead ...	30·16	53	48	WSW	3	b	2
Sumburgh Head	29·96	49	44	SW	5	bc	4	Valencia	30·15	54	51	SSW	5	bcm	5
Stornoway ...	29·81	51	46	SSW	5	b	5	Scilly	30·23	54	49	WNW	4	bc	6
Aberdeen ...	29·97	52	48	SSW	3	b	2	Dungeness ...	30·19	56	54	W	3	c	2
Shields	30·09	53	47	WSW	1	b	2	London	30·17	57	53	SW	3	cd	*
Ardrossan ...	30·06	53	48	SW	4	b	3	Yarmouth ...	30·15	56	52	SW	2	bc	2
Malin Head ...	29·97	51	47	SW	3	c	4	Jersey	30·23	55	52	NW	3	c	3
Mullaghmore ...	30·03	53	48	SSW	5	bc	3	Rochefort ...	30·24	60	56	W	4	o	2
Belmullet ...	30·01	51	48	SSW	3	o	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8 am today see pp 2 and 3)

Yesterday's reports showed that pressure was highest on the Continent, particularly over Northern Russia, while it was lowest to the northward and northwestward of the British Isles. The gradients were moderate, but the barometer was rather unsteady in the west and northwest. The winds were S. over Northern Europe and on the eastern shores of the North Sea, W. and SW. over the United Kingdom and France. The weather was cloudy in the north and west, and showery in several places; while over Central and Eastern Europe it was fine. Temperature had fallen in France and at many of the Mediterranean stations, and ranged at 8 am from about 60° on the southern side of the Mediterranean, and from between 50° and 55° over France and the south of England to rather below the freezing point in Poland, Hungary and Russia. The highest individual readings were 66° at Algiers and Malta, and 63° at Brindisi and Cagliari, the lowest 25° at Cracow, 29° at St Petersburg and 30° at Warsaw

During the day very little change occurred, but at night the barometer began to fall fast in Ireland, and a sudden fall of the thermometer took place over the south-east of England. Strong S. gales set in in the extreme west and northwest, and afterwards spread northwards with rain.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Thursday 4th November 1886.

Issued by the Meteorological Office, 116 Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
				Wind.			Barometer.		Shade Temp.			Wind.				Shade Temp.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Direc.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Max.	Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
Scandinavia	Haparanda ..	30·05	41	SW	2	bc	29·91	-·13	41	41	+1	S	4	n	*	43	36	-
	Hernösand ...	30·05	42	SSW	4	0	29·88	-·38	41	40	+6	E	6	0	*	46	34	0·04
	Stockholm ...	30·14	44	SSW	2	0	29·89	-·44	45	43	+1	SSE	2	f	*	48	41	-
	Wisby	30·19	42	SSW	4	0	30·00	-·30	46	45	+1	SW	4	0	*	46	41	-
	Bodö	29·62	43	E	4	b	29·36	-·54	49	43	+1	ESE	4	bc	2	?	43	-
	Christiansund...	29·44	48	S	1	b	29·28	-·54	49	46	+1	WSW	8	0	5	?	46	-
	Skudesnaes ...	29·61	51	SSE	9	0	29·49	-·51	49	45	-3	SW	6	c	7	52	?	0·55
	Christiania Fjord (Farder)	29·90	49	SSE	6	0	29·58	-·62	49	48	+2	SSE	8	n	5	?	?	0·16
	Skagen (The Scaw)	29·96	49	SW	4	0	29·63	-·61	50	48	+3	SW	6	0	4	50	46	0·08
	Fanö	29·93	47	S	6	b	29·71	-·51	48	48	+2	SSW	6	0	*	48	46	0·12
British Islands	Sumburgh Head	29·13	46	SW	1	n	29·28	-·17	45	43	-4	SW	3	c	5	50	44	0·82
	Stornoway ...	29·21	41	WSW	4	bqpr	29·29	+·12	43	41	-8	SSW	4	bp	4	52	39	0·60
	Wick	29·24	46	NW	1	b	29·36	·00	42	41	-9	SSW	2	bc	1	51	38	0·30
	Nairn	29·29	43	W	2	bc	29·40	·00	40	34	-13	WSW	1	b	1	56	36	0·19
	Aberdeen... ...	29·30	46	S	1	c	29·47	-·14	39	34	-9	SW	3	bc	3	51	36	0·36
	Leith	29·38	46	SW	3	bc	29·55	-·06	44	42	-9	WSW	2	bm	1	56	41	0·24
	Shields	29·42	51	SSW	7	n	29·66	-·22	41	39	-3	SW	1	bm	2	51	39	0·09
	Spurn Head ...	29·61	50	S	7	n	29·77	-·31	43	41	-1	WSW	4	b	2	51	41	0·09
	York	29·54	52	S	5	n	29·75	-·20	43	41	+2	SW	3	b	*	52	39	0·29
	Loughborough	29·64	52	SSW	4	n	29·81	-·27	41	39	+1	W	3	b	*	53	40	0·15
	Ardrossan ...	29·43	49	W	3	bc	29·56	+·01	47	44	-5	WSW	5	bcqp	4	53	44	0·85
	Malin Head ...	29·39	46	W	4	bqpr	29·50	+·22	42	41	-9	SW	4	bqp	4	52	41	0·62
	Mullaghmore .	29·51	45	WSW	6	cqp	29·60	+·24	44	42	-10	SW	5	qcp	5	55	42	0·60
	Belmullet ...	29·53	47	W	8	bc	29·60	+·20	47	44	-3	W	6	bc	*	50	44	0·30
	Donaghadee ...	29·52	46	W	3	c	29·65	+·06	38	38	-13	W	3	b	1	54	34	0·50
	Barrow-in-Furness	29·54	49	SW	4	0	29·67	-·19	48	43	+2	W	5	cp	6	54	45	0·65
	Liverpool (Bidston)	29·59	50	W	4	0	29·76	-·14	44	42	-1	SW	2	b	4	55	42	0·19
	Holyhead ...	29·62	49	W	6	cq	29·75	-·07	47	44	-5	WSW	5	bcq	4	56	45	0·49
	Parsonstown ...	29·67	44	SW	1	bc	29·74	+·19	41	40	-14	SW	1	bc	*	56	39	0·23
	Valencia	29·77	48	W	5	cqpr	29·83	+·29	49	44	-7	W	5	bcqpr	5	57	45	0·27
	Roche's Point...	29·75	48	W	3	b	29·83	+·11	45	43	-10	WSW	3	bc	4	56	42	0·20
	Pembroke ...	29·72	52	WNW	6	bc	29·84	-·07	51	49	-1	WSW	5	bc	4	55	49	0·51
	Scilly	29·81	54	WNW	6	0	29·94	-·08	52	48	-2	W	5	c	5	56	46	0·33
	Prawle Point ...	29·81	55	SSW	7	n	29·95	-·20	49	46	-3	W	3	bc	4	55	44	0·24
	Jersey	30·00	55	SSW	7	ompu	29·98	-·26	49	46	-2	WNW	3	bc	3	55	47	0·37
	Hurst Castle ...	29·89	53	SW	7	qpr	29·93	-·25	49	47	-4	W	3	b	3	55	44	0·37
	Dungeness ...	29·96	54	SSW	6	0	29·92	-·29	42	42	+3	NW	3	b	2	57	39	0·16
	London	29·89	52	SSW	5	oqpr	29·89	-·29	41	40	-2	SW	2	b	*	58	40	0·21
	Oxford	29·75	52	SSE	6	n	29·89	-·26	38	37	-2	SW	1	b	*	53	37	0·24
	Cambridge ...	29·81	56	S	3	n	29·86	-·29	40	39	+1	SW	1	b	*	53	37	0·09
	Yarmouth ...	29·89	50	SSW	5	nq	29·84	-·33	42	41	-3	W	3	bm	3	53	40	0·20
Germany	Cuxhaven ...	30·13	48	SSE	2	0	29·86	-·39	49	49	+1	SSW	4	n	*	50	46	0·06
	Berlin	30·24	48	SSE	1	0	30·06	-·31	38	37	-3	S	1	b	*	48	37	-
	Wiesbaden ...	*	*	*	*	*	30·10	-·25	47	46	-2	NE	0	f	*	52	46	-
	Munich	30·29	43	W	1	0	30·19	-·19	39	39	-3	SW	1	m	*	45	39	-
France & Netherlands	The Helder ...	29·96	48	S	3	n	29·77	-·43	51	49	+10	WNW	3	0	3	54	41	0·32
	Brussels	*	*	*	*	*	29·88	-·38	50	49	+3	SW	5	n	*	54	?	0·12
	Cape Gris Nez...	29·98	53	SW	8	n	29·90	-·31	49	45	+2	NW	7	bc	5	55	46	0·20
	Paris	30·20	50	S	3	bc	29·97	-·35	50	49	+9	SW	4	n	*	56	?	0·24
	Brest	29·98	56	SW	9	n	30·02	-·21	52	46	-3	NNW	5	b	5	57	48	0·39
	Lorient	30·10	57	SW	7	0	30·10	-·20	51	46	-3	N	3	0	2	59	45	0·35
	Rochefort ...	30·26	58	SSW	4	0	30·08	-·30	59	58	+10	W	5	0	2	61	?	0·63
	Belfort	30·25	48	W	1	0	30·12	-·19	45	44	-5	W	1	f	4	54	40	-
	Lyons	30·29	52	NNW	1	b	30·18		45	45		SSE	1	f	*	59	41	-
	Nice...	30·19	54	E	4	0	30·14		55	48		E	4	bc	2	59	50	0·28
	Perpignan ...	30·28	53	E	0	b	30·21	-·11	46	44	-7	E	0	0	3	64	43	-
	Biarritz	30·25	55	NNW	1	0	30·17	-·21	57	52	+2	S	4	c	5	61	52	0·04
Peninsula	Corunna	*	*	*	*	*												
	Lisbon						30·31	-·04	53	51	+1	ENE	3	c	2	68	52	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 4th November, 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

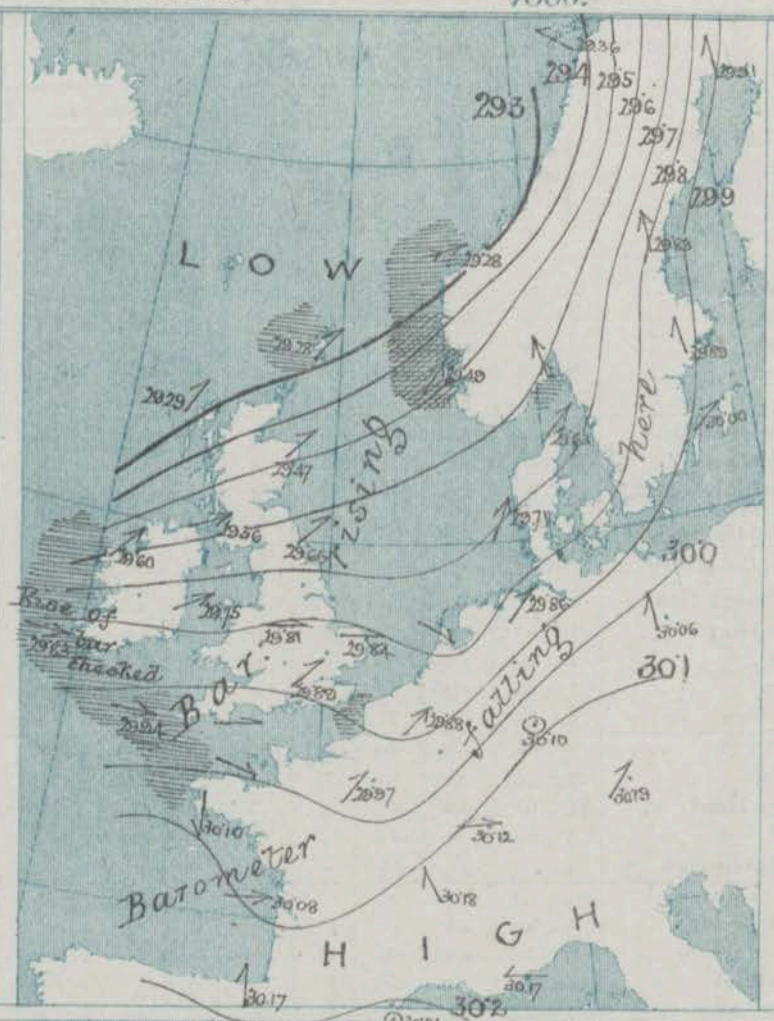
= forces above 10; = forces 8 to 10; = forces 5 to 7; = forces 1 to 4; ⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus = Rough, = High.*

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather *is shown by Letters of the Beaufort Scale.*

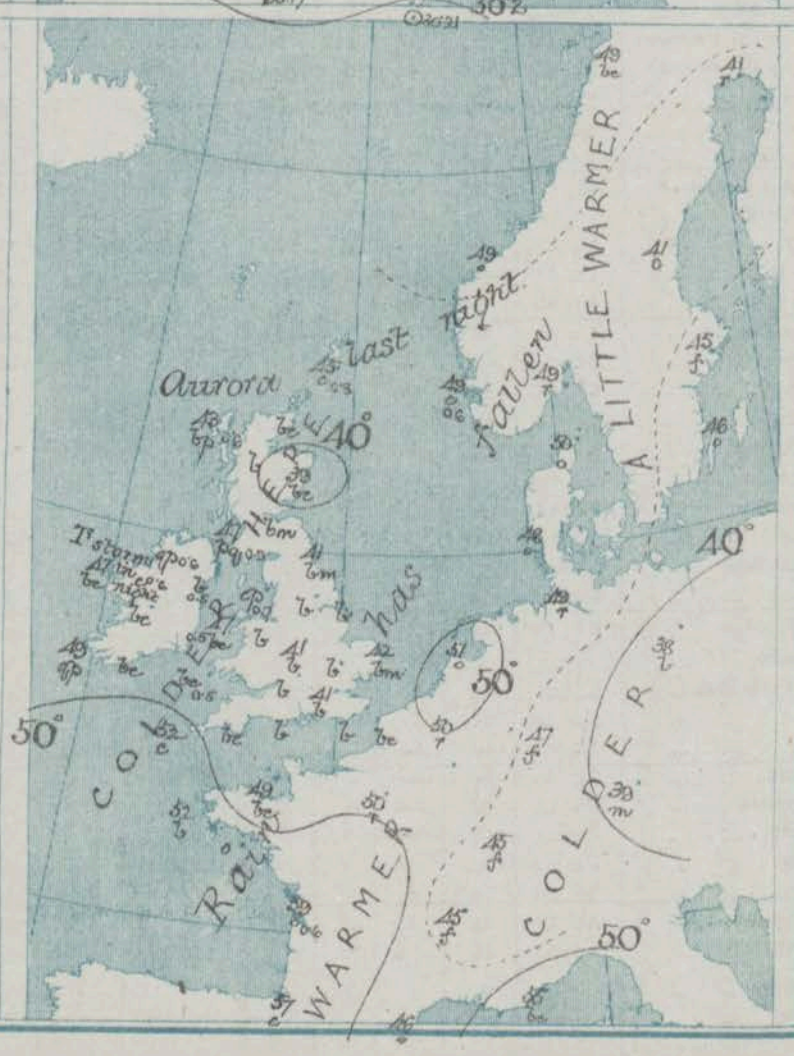
Rainfall *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	At 8 a.m. Wet	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·3 ins., at Lisbon, but relatively high (30·1 ins. and upwards) over the Bay of Biscay, and the southern parts of France and Germany.
Lowest, 29·3 ins. and less, in a large area of low pressure lying to the northward of our Islands and the westward of Norway.

TEMPERATURE — Highest, 59° at Rochefort, 57° at Biarritz, 55° at Nice and 52° at Scilly.
Lowest, 38° at Donaghadee, Oxford, and Balin, and 41° at Haparanda and Hernosand.

WIND — Strong S. in Scandinavia and Denmark.
SW. in our Islands, light on our north and east coasts, fresh or strong in the west and southwest.
NW. in the north of France; Variable or SE. in the east of that country.

WEATHER — Showery on our north-west coasts, but fine in other parts of our Islands.
Dull at most of the Continental stations, with rain at Cuxhaven, Brussels and Paris.
Aurora was seen last night in the north of Scotland.

SEA — Rather rough on our extreme south-west, west, and north coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which lay off the west of Scotland yesterday morning has travelled away to the northward of our Islands, while some smaller disturbances which subsequently appeared over Ireland and England have moved eastwards to the North Sea.

In the rear of these systems the barometer has risen over the whole of the United Kingdom, but at Valencia the recovery of pressure has apparently ceased since 10 pm. It is therefore not unlikely that some new disturbance is approaching Ireland, and, although the warning signals have been lowered today on all our northern, eastern and southern coasts they are for the present allowed to remain up in the west and southwest.

FORECASTS

for the 24 hours ending at NOON on 5th NOVEMBER *1886.*

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. winds, moderate, to S., strong; fair to cloudy and some rain.
1 SCOTLAND EAST	------ D° ------ D° ------ D° ------
2 ENGLAND N.E.	------ D° ------ D° ------ D° ------
3 ENGLAND EAST	Same as No 5
4 MIDLAND COUNTIES	Same as No 5
5 ENGLAND SOUTH	W. to SW. winds, freshening; fair to unsettled and some rain.

DISTRICTS.	FORECASTS.
* 6 SCOTLAND WEST	SW. to S. winds, increasing in force; fair to squally and rainy.
* 7 ENGLAND N.W.	------ D° ------ D° ------ D° ------
* 8 ENGLAND S.W	W. to SW. or S. winds, increasing in force; fair to squally and rainy.
* 9 IRELAND NORTH	Same as Nos 6 and 7
* 10 IRELAND SOUTH	Same as No 8
WARNINGS	The south cone has been lowered this morning in districts 0 to 3 and 5. An asterisk is inserted against those districts in which it is still flying.

Fred'k Dangerfield, Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.83	53	51	SSE 8	n	6	Holyhead ...	29.52	55	55	SSW 9	nmq	6
Sumburgh Head	29.17	49	48	S 9	n	6	Valencia	29.70	51	46	W 6	bcqm	6
Stornoway ...	29.17	48	46	SW 3	on	5	Scilly	29.82	56	55	SSW 8	n	7
Aberdeen ...	29.32	50	49	S. 8	nq	6	Dungeness ...	30.04	55	51	SW 5	ew	4
Shields	29.54	49	46	S 7	o	2	London	30.00	55	50	SSW 5	on	*
Ardrossan ...	29.34	48	46	NNW 6	n	6	Yarmouth ...	29.99	53	49	SSW 5	be	3
Malin Head ...	29.34	46	44	W 4	be	5	Jersey	30.07	54	50	SW 6	o	5
Mullaghmore ...	29.44	49	46	W 6	cqp	5	Rochefort ...	30.34	59	58	SE 1	o	2
Belmullet ...	29.48	49	46	NNW 5	e	4							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

For condition at 8 am today see pp 2 and 3.

Yesterday morning's observations showed that the anticyclone over Central Europe had moved a little in an easterly direction, but that the system had increased in height; at the same time a deep depression had advanced to the Atlantic shores of the British Isles from the southwestward. Thus, while variable airs, and fine cold weather continued to prevail over Eastern, South-Eastern and Central Europe, S. winds, with cloudy, changeable weather and rain, prevailed in the west – the wind being moderate in most places, but blowing a strong gale in the west and north of the British Isles. Temperature had decreased over Russia, but increased over the extreme west of the British Isles, and varied from between 64° and 68° at the more southern of the Mediterranean stations, and from about 55° in the western parts of France and the British Isles, to very little above 40° over the central parts of Spain and France, and to considerably below the freezing point over Russia, Poland, and Hungary. The highest individual readings were 68° at Cagliari, 65° at Malta, and 63° at Sanguinaire; the lowest 22° at Moscow, and 28° at Warsaw, Hermanstadt, and Archangel.

During the day, the S. gale extended to nearly all parts of the British Isles, and a great deal of rain fell both there and in France. Thunder and lightning occurred in the north of Ireland, and Aurora was seen in the north of Scotland.

General Remarks on the Weather for 24 hours ending 8 am Nov: 2nd

The reports for Monday, Nov: 1st, showed that while pressure remained highest over the Baltic, southern, and south-Eastern Europe, and was rather high in France and Spain also, it was lowest off the north-west of the British Isles – the gradients over the United Kingdom and the North Sea being moderate. S. and SW. winds prevailed on the coast of the United Kingdom and the west and north of France, and SE. on the eastern shores of the North Sea; in some places they blew a gale, but, as a rule were moderate. Over Russia, Austria and Germany variable airs and calms were experienced. The weather, which was fine in the east and south-east, was dull in the west and northwest, and rain fell at several stations. Temperature varied from about 65° over the southern part of the Mediterranean, and from a little above 50° in the British Isles and the west and south of France to somewhat below the freezing point over Hungary, the south-west of Russia and Finland. The highest individual readings were 66° at Algiers, Malta and Sanguinaire, 64° at Cagliari, and 63° at Brindisi, the lowest 27° at Kiev, 28° at Cracow and Haparanda, and 30° at Uleaborg.

During the day no change of importance occurred.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Friday 5th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.79	40	S	4	0	29.63	-.28	39	39	- 2	S	7	n	*	48	37	0.24
	Hernösand ...	29.62	44	SSW	6	n	29.62	-.21	38	37	- 3	WSW	2	b	*	45	?	0.08
	Stockholm ...	29.74	49	S	4	0	29.74	-.15	45	44	0	W	2	o	*	?	41	-
	Wisby	29.84	48	SW	6	0	29.74	-.26	48	48	+ 2	WSW	4	o	*	50	41	0.16
	Bodö	29.40	46	WSW	4	n	29.41	+.05	40	39	- 9	ESE	2	bc	1	50	39	0.16
	Christiansund...	29.36	43	ESE	2	b	29.35	+.09	43	39	- 6	S	2	bc	5	?	39	-
	Skudesnaes ...	29.51	49	SSW	8	c	29.50	+.01	46	44	- 3	SSW	4	o	5	50	?	-
	Christiania Fjord (Færder)	29.62	46	WSW	6	b	29.65	+.09	47	46	- 2	SSW	4	bc	3	?	45	0.24
	Skagen (The Scaw)	29.69	43	W	2	bc	29.63	.00	46	44	- 4	W	3	c	2	50	43	0.08
	Fanö	29.79	46	WSW	4	b	29.68	-.03	43	43	- 5	WSW	2	p	*	50	43	0.55
BRITISH ISLANDS.	Sumburgh Head	29.30	42	W	3	bc	29.36	+.08	41	38	- 4	W	1	c	3	48	39	0.12
	Stornoway ...	29.34	40	SW	4	bqrh	29.37	+.08	33	32	- 10	S	0	b	0	45	31	0.18
	Wick	29.30	42	W	1	b	29.39	+.03	35	34	- 7	W	1	bc	1	47	35	-
	Nairn	29.40	39	WSW	1	c	29.42	+.02	35	33	- 5	S	0	c	1	49	32	0.05
	Aberdeen... ...	29.42	42	SW	3	b	29.44	-.03	35	34	- 4	WSW	1	b	2	44	33	-
	Leith ...	29.49	43	W	3	c	29.44	-.11	39	38	- 5	SE	1	cm	*	49	35	-
	Shields	29.61	44	SW	2	b	29.48	-.18	41	40	0	SSW	2	o	2	51	39	-
	Spurn Head ..	29.43	46	SW	3	b	29.55	-.22	43	42	0	SSW	3	bcw	2	50	41	-
	York	29.69	46	SW	1	b	? 29.51	-.24	39	39	- 4	ESE	2	f	*	50	37	-
	Loughborough	29.77	46	SW	3	b	29.54	-.29	42	42	+ 1	SE	2	cf	*	52	40	-
	Ardrossan ...	29.52	46	WSW	3	bc	29.40	-.16	41	40	- 6	E	1	cf	1	49	40	0.05
	Malin Head ...	29.50	45	W	4	ogp	29.33	-.17	40	40	- 2	SW	3	o	3	47	39	0.41
	Mullaghmore .	29.58	44	SW	4	bc	29.32	-.28	41	40	- 3	SSW	4	c	4	50	41	0.06
	Belmullet ...	29.60	46	W	4	b	29.31	-.29	44	43	- 3	W	4	n	*	48	42	0.32
	Donaghadee ...	29.61	43	SSW	3	b	29.40	-.25	36	36	- 2	W	3	bc	1	49	35	0.01
	Barrow-in-Furness	29.63	49	S	6	bc	29.44	-.23	45	43	- 3	SE	5	ou	*	50	44	0.10
	Liverpool (Bidston)	29.69	46	SW	2	b	29.45	-.31	43	42	- 1	SSE	3	n	3	51	40	0.02
	Holyhead ...	29.68	48	WSW	5	cqf	29.41	-.34	48	45	+ 1	SSW	1	om	2	51	46	0.02
	Parsonstown ...	29.69	44	SW	1	c	29.38	-.36	40	39	- 1	S	0	c	*	50	39	0.26
	Valencia	29.74	49	WSW	4	cq/p	29.41	-.42	46	44	- 3	W	4	cq/p	4	53	44	0.24
	Roche's Point...	29.74	49	W	3	c	29.43	-.40	44	42	- 1	W	3	b	3	54	41	0.10
	Pembroke ...	29.76	51	WSW	4	bc	29.43	-.41	48	48	- 3	NW	3	p	3	53	44	0.29
	Scilly	29.89	52	WSW	5	c	29.46	-.48	50	49	- 2	WSW	4	n	5	53	48	0.26
	Prawle Point ...	29.88	51	W	6	bc	29.50	-.45	51	49	+ 2	SW	4	qqu	5	54	49	0.10
	Jersey	29.95	51	WSW	3	bcp	29.61	-.39	51	50	+ 2	SSW	5	ogmu	4	56	48	0.66
	Hurst Castle ...	29.89	51	W	5	bc	? 29.56	-.39	50	49	+ 1	SW	4	n	2	55	48	0.20
	Dungeness ...	29.88	52	W	4	b	29.61	-.31	53	52	+ 11	SSW	5	o	4	59	41	0.41
	London	29.86	49	SW	1	b	29.59	-.30	48	46	+ 7	SSE	2	c	*	55	40	0.01
	Oxford	29.82	46	WSW	3	c	29.55	-.34	43	43	+ 5	SE	1	cf	*	54	38	-
	Cambridge ...	29.81	46	SW	2	bc	29.59	-.29	43	43	+ 3	S	1	c	*	55	39	-
	Yarmouth ...	29.82	49	W	2	bc	29.62	-.22	46	45	+ 4	SSW	2	bc	2	53	40	0.01
GERMANY.	Cuxhaven ...	29.79	48	W	3	bc	29.80	-.06	41	41	- 8	SSW	3	c	*	49	39	0.14
	Berlin	29.95	48	S	2	o	29.94	-.12	46	45	+ 8	SW	2	o	*	52	?	-
	Wiesbaden ...	*	*	*	*	*	29.95	-.15	45	44	- 2	S	0	bc	*	54	43	0.12
	Munich	30.08	41	NE	1	m	30.04	-.15	44	43	+ 5	SE	2	n	*	48	39	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.83	50	SW	3	bc	29.69	-.08	47	46	- 4	S	4	n	2	52	45	0.16
	Brussels	*	*	*	*	*	29.79	-.09	44	42	- 6	S	1	bc	*	51	42	0.04
	Cape Gris Nez...	29.89	52	W	5	c	29.69	-.23	52	50	+ 2	SW	8	o	6	54	48	0.71
	Paris	30.02	45	SW	1	bc	29.86	-.11	40	40	- 10	S	3	o	*	54	39	0.32
	Brest	29.99	51	W	5	o	29.63	-.39	52	50	0	SSW	7	b	5	55	48	0.20
	Lorient	30.06	54	NNW	4	c	29.69	-.43	53	50	+ 2	SW	5	n	5	57	46	-
	Rochefort ...	30.13	54	N	4	o	29.89	-.25	53	52	- 6	SSE	5	o	2	64	46	-
	Belfort	30.08	48	S	3	n	29.95	-.17	48	46	+ 3	S	0	bc	*	51	43	-
	Lyons	30.13	48	SW	8	o	29.99	-.19	43	43	- 2	S	3	c	*	55	43	0.16
	Nice...	30.10	55	E	3	b	30.01	-.16	50	48	- 5	E	3	b	1	64	46	-
	Perpignan ...	30.16	56	S	0	o	30.00	-.21	45	45	- 1	S	0	o	*	60	44	-
	Biarritz	30.13	59	W	5	o	29.86	-.31	61	55	+ 4	SW	4	o	5	64	54	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.29	60	NNW	3	o	30.19	-.12	59	58	+ 6	WSW	5	c	2	64	?	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday 5th November 1886.

BAROMETER, WIND & SEA.

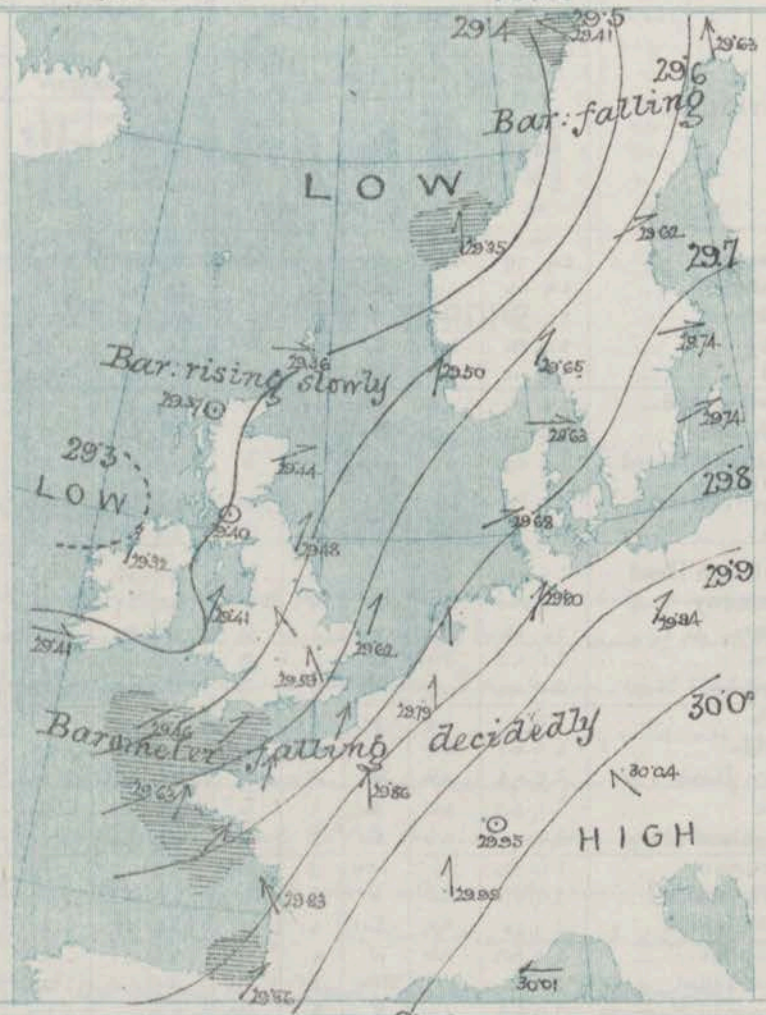
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows shew the prevailed winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10°. Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	Wet	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	¼ 24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·83
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·2	46·8	43·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·70
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE—The Temperature means are for the 10 years, 1871—80, the Rainfall means are mainly those for the 30 years 1866-95.

GENERAL SITUATION AT 8 A.M.

PRESSURE
Highest, 30·1 ins: and upwards, over Portugal, but relatively high (30·0 ins: and upwards) over the south-east of France and the south of Germany.
Lowest, 29·3 ins: in a shallow depression lying off the north-west of Ireland.

TEMPERATURE
Highest, 61° at Biarritz, 59° at Lisbon, and 53° at Dungeness.
Lowest, 33° at Stornoway, 38° at Henrosand, and 40° in Paris.
Frost occurred last night in the north of Scotland.

WIND
Light from SE. over Central and north-western England, and from W. in Ireland and Scotland.
S. or SW. elsewhere; light or moderate in force generally, but fresh in the Bay of Biscay.

WEATHER
Fine on the north and east coast of Great Britain, and also over the greater part of Ireland.
Cloudy or overcast elsewhere, with rain in the west and south of England, as well as at some of the Continental stations.
Bright aurora was seen last night in the north of Scotland.

SEA
Rather rough at the mouth of the Channel, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night some shallow depressions have appeared over and to the northwestward of Ireland, and the barometer is now falling briskly in England, Ireland and France.

The disturbances seem likely to move northeastward, and an extension of rainy unsettled weather is therefore probable, with some increase of wind on our south coasts.

FORECASTS

for the 24 hours ending at NOON on 6th NOVEMBER. *1886.*

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. and S. winds, moderate; changeable, some showers.
1 SCOTLAND EAST	----- D° ------- D° ------ D° ------
2 ENGLAND N.E.	S. and SW. winds, freshening; unsettled, rainy to fair.
3 ENGLAND EAST	------ D° ------- D° ------ D° ------
4 MIDLAND COUNTIES	------ D° ------- D° ------ D° ------
5 ENGLAND SOUTH	SW. winds increasing in force; squally and rainy to fair.

DISTRICTS.	FORECASTS.
6 SCOTLAND WEST	SE. and S. winds, moderate; changeable, some rain.
7 ENGLAND N.W.	------ D° ------ D° ------ D° ------
8 ENGLAND S.W.	SW. and W. winds, moderate to strong; squally, showery.
9 IRELAND NORTH	W. to SW. winds, freshening; unsettled, some rain.
*10 IRELAND SOUTH	----- D° ------ D° ------ D° ------
WARNINGS	The south cone was hoisted last evening in districts 5 and 10. An asterisk is inscribed against those districts in which it is now flying.

Photo Dangerfield, Lith. London, SW.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.52	49	44	SSW 6	c	6	Holyhead ...	29.71	51	46	SW 5	bcq	4
Sumburgh Head	29.23	47	43	SW 4	c	5	Valencia	29.78	51	49	WSW 5	bcqp	5
Stornoway ...	29.29	45	42	SW 4	bqp	4	Scilly	29.91	53	49	WSW 5	c	4
Aberdeen ...	29.42	47	44	SSW 4	b	3	Dungeness ...	29.88	56	51	W 4	b	3
Shields	29.60	49	44	SW 4	bc	2	London	29.87	55	48	W 4	c	4
Ardrossan ...	29.51	49	46	WSW 5	bc	4	Yarmouth ...	29.83	51	46	W 3	b	2
Malin Head ...	29.48	46	43	W 5	bc	5	Jersey	29.97	52	50	W 4	bc	3
Mullaghmore ...	29.58	49	45	WSW 6	cqp	6	Rochefort ...	?	58	55	NNW 5	b	2
Belmullet ...	29.62	47	45	W 6	cqp	4							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

The reports for yesterday showed that the large anticyclone recently noticed over Russia and Central Europe was moving decidedly to the south-eastward, its centre at 8 am being a little to the south-eastward of Kiew. In the meantime a large depression lay to the northward of Scotland and westward of Norway, and was travelling in a north-easterly direction. Thus, while the SW½ gale noticed yesterday had lulled, SW½ (S to W) winds prevailed over Northwestern Europe, with dull, mild weather and rain, but calms and variable airs over Austria, the Balkan Peninsula, and Southern Russia, with cold fine weather. Temperature had risen in the north, but fallen elsewhere, the morning readings varying from about 64° at stations lying on the southern side of the Mediterranean, and from a little above 50° over the English Channel and the northwest of France to somewhat below 32° over Russia and Eastern Europe generally. The highest individual readings were 64° at Cagliari, Malta, Algiers, and Biskra, and 62° at Palma and Sanguinaire; the lowest 23° at Hermanstadt, 26° at Archangel and 28° at Moscow, Warsaw and Kiew.

During the day rain again fell over nearly the whole of Western and Northwestern Europe, and temperature rose to about 65° over the southwest of France, where the appearance of the sky was unsettled generally.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Saturday 6th November *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.67	39	S	2	0	29.69	+.06	36	36	+3	E	2	n	*	41	36	0.08
	Hernösand ...	29.68	31	Z	0	bc	29.74	+.12	30	30	-6	Z	0	b	*	45	30	-
	Stockholm ...	29.76	41	SSW	2	0	29.75	+.01	40	39	-5	E	2	f	*	50	39	-
	Wisby	29.76	42	SW	4	c	29.72	-.02	41	40	-1	ESE	4	0	*	50	41	0.08
	Bodö	29.50	37	E	2	b	29.59	+.16	36	32	-4	E	4	b	2	41	28	-
	Christiansund...	29.47	38	ESE	1	b	29.43	+.08	41	36	-2	ESE	1	bc	4	46	36	-
	Skudesnaes ...	29.47	46	SE	4	0	29.31	-.19	49	45	+3	E	4	0	5	?	45	-
	Christiania Fjord (Fœrder)	29.60	46	SSE	2	0	29.50	-.15	45	43	-2	E	6	0	2	?	41	0.32
	Skagen (The Scaw)	29.58	47	SSW	1	c	29.39	-.24	48	46	+2	SE	6	0	4	?	45	-
	Fanö	29.46	43	SSE	5	0	29.13	-.55	45	45	+2	SE	6	n	*	46	43	0.24
BRITISH ISLANDS.	Sumburgh Head	29.41	38	Z	0	b	29.42	+.06	38	35	-3	N	2	bc	2	47	35	-
	Stornoway ...	29.40	40	NNE	3	bp	29.49	+.12	39	37	+6	NNE	4	b	8	44	31	0.02
	Wick	29.38	40	Z	0	b	29.35	-.04	42	40	+7	N	4	cp	1	47	34	0.02
	Nairn	29.38	34	W	1	bc	29.38	-.04	43	41	+8	NE	6	c	7	47	33	0.02
	Aberdeen... ...	29.35	44	NNE	3	c	29.23	-.21	45	42	+10	NNE	7	0 q	7	50	35	0.02
	Leith ...	29.27	45	SE	1	n	29.14	-.30	46	43	+7	NE	5	n	*	46	38	0.45
	Shields	29.21	48	E	1	n	28.88	-.60	47	45	+6	NE	7	n	6	48	40	1.28
	Spurn Head ...	29.14	50	SE	6	n	28.91	-.64	40	39	-3	S	5	bc	3	50	38	0.31
	York	29.17	46	E	1	n	28.88	-.63	39	39	0	S	1	n	*	47	38	0.55
	Loughborough	29.11	45	SE	2	n	28.87	-.67	39	39	-3	SW	1	0 d	*	49	37	0.19
	Ardrossan ...	29.23	44	E	2	0 m	29.20	-.20	45	41	+4	N	4	0	3	47	40	-
	Malin Head ...	29.24	42	ENE	3	cgr	29.30	-.03	45	42	+5	NNE	7	bcq	7	46	37	0.04
	Mullaghmore .	29.24	45	NE	2	c	29.35	+.03	46	42	+5	NNE	7	bc	5	50	40	-
	Belmullet ...	29.26	44	N	3	c	29.47	+.16	47	42	+3	N	9	bc	*	47	42	0.20
	Donaghadee ...	29.19	45	SE	4	n	29.19	-.21	47	44	+11	NE	7	0	6	47	31	0.30
	Barrow-in-Furness	29.11	43	SSE	2	n	28.92	-.52	43	43	-2	NW	3	0	*	45	40	0.72
	Liverpool (Bidston)	29.09	43	Z	0	n	28.92	-.53	42	41	-1	N	3	n	4	51	39	1.64
	Holyhead ...	29.12	44	W	4	n	28.99	-.42	47	45	-1	NNE	9	nqm	7	51	43	1.53
	Parsonstown ...	29.24	41	SW	1	0	29.32	-.06	42	39	+2	NW	2	c	*	46	36	0.50
	Valencia	29.34	44	NW	5	qrp	29.41	.00	43	42	-3	NNE	1	cp	1	50	40	0.46
	Roche's Point...	29.25	41	WNW	4	bc	29.31	-.12	44	42	0	NNW	5	c	4	51	39	0.01
	Pembroke ...	29.17	46	WNW	3	n	29.05	-.38	44	44	-4	WNW	8	nq	6	48	41	0.71
	Scilly	29.31	50	WNW	8	c	29.28	-.18	47	45	-3	WNW	8	cq	6	51	42	0.36
	Prawle Point ...	29.27	46	W	6	bc	29.16	-.34	46	43	-5	W	6	bcqpr	6	51	40	0.28
	Jersey	29.50	50	WNW	5	bcqr	29.24	-.37	48	45	-3	W	8	bcqrh	6	52	43	0.82
	Hurst Castle ...	29.21	48	W	5	bqm	29.04	-.52	49	46	-1	W	8	bc	5	52	44	0.62
	Dungeness ...	29.26	50	SW	6	n	29.04	-.57	49	46	-4	W	7	n	6	53	46	0.86
	London	29.16	45	S	2	0 n	29.01	-.58	45	43	-3	WSW	4	c	*	52	39	0.40
	Oxford	29.12	42	WSW	3	b	28.90	-.65	41	40	-2	SW	6	nq	*	48	38	0.55
	Cambridge ...	29.15	46	S	2	n	28.92	-.65	41	40	-2	S	3	n	*	49	36	0.41
	Yarmouth ...	29.26	49	SSE	7	nq	29.02	-.60	41	39	-5	SSW	4	c	4	52	39	0.55
GERMANY.	Cuxhaven ...	29.64	47	S	2	n	29.27	-.53	47	46	+6	SW	4	b	*	48	?	0.18
	Berlin	29.74	44	SSE	1	b	29.48	-.46	42	41	-4	SE	1	0	*	52	37	0.04
	Wiesbaden ...	*	*	*	*	*	29.53	-.42	45	43	0	W	1	bc	*	52	43	0.08
	Munich	29.67	38	NE	2	c	29.65	-.39	42	41	-2	S	3	c	*	52	36	-
FRANCE & NETHERLANDS.	The Helder ...	29.81	46	S	4	bc	29.12	-.57	44	43	-3	S	5	n	3	50	?	0.32
	Brussels	*	*	*	*	*	29.30	-.49	44	41	0	S	7	bc	*	51	43	0.20
	Cape Gris Nez...	29.36	50	SSW	8	0	29.08	-.59	49	45	-2	W	11	0	7	54	46	0.71
	Paris	29.33	52	SSE	3	n	29.45	-.41	43	41	+3	SSW	5	b	*	51	[illegible]	0.24
	Brest	29.45	48	NNW	8	n	29.39	-.24	51	45	-1	NW	7	0	5	55	45	0.59
	Lorient	29.47	53	NNW	8	bc	29.45	-.22	50	43	-3	NW	8	bc	6	55	41	0.32
	Rochefort ...	29.73	58	WNW	8	0	29.62	-.21	53	50	0	WNW	7	n	3	61	48	0.43
	Belfort	29.63	48	S	1	c	29.61	-.34	47	46	-1	W	1	0	*	55	43	0.16
	Lyons	29.68	51	SSW	7	0	29.64	-.35	50	47	+7	W	1	0	*	56	?	0.04
	Nice...	29.87	53	Z	0	f	29.64	-.37	52	52	+2	E	3	b	2	63	48	0.08
	Perpignan ...	29.73	54	Z	0	0	29.68	-.32	53	52	+8	Z	0	n	*	61	?	-
	Biarritz	29.71	62	W	8	0	29.66	-.20	55	52	-6	WSW	7	n	5	64	52	0.24
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.04	60	WSW	7	n												

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 6th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevailed winds. They fly with the wind and their barbs and feathers refer to force, thus —

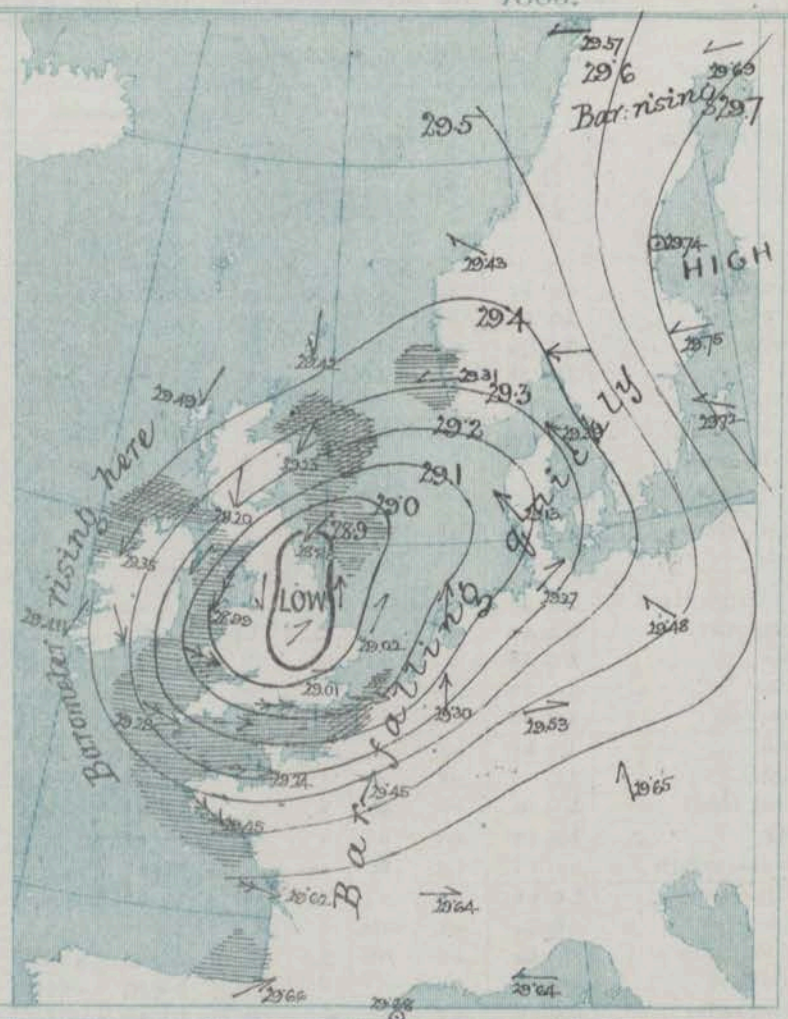
⟶ = forces above 10; ⟶ = forces 8 to 10;
⟶ = forces 5 to 7; ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — where considerable is shewn thus
= Rough. = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M.,

with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

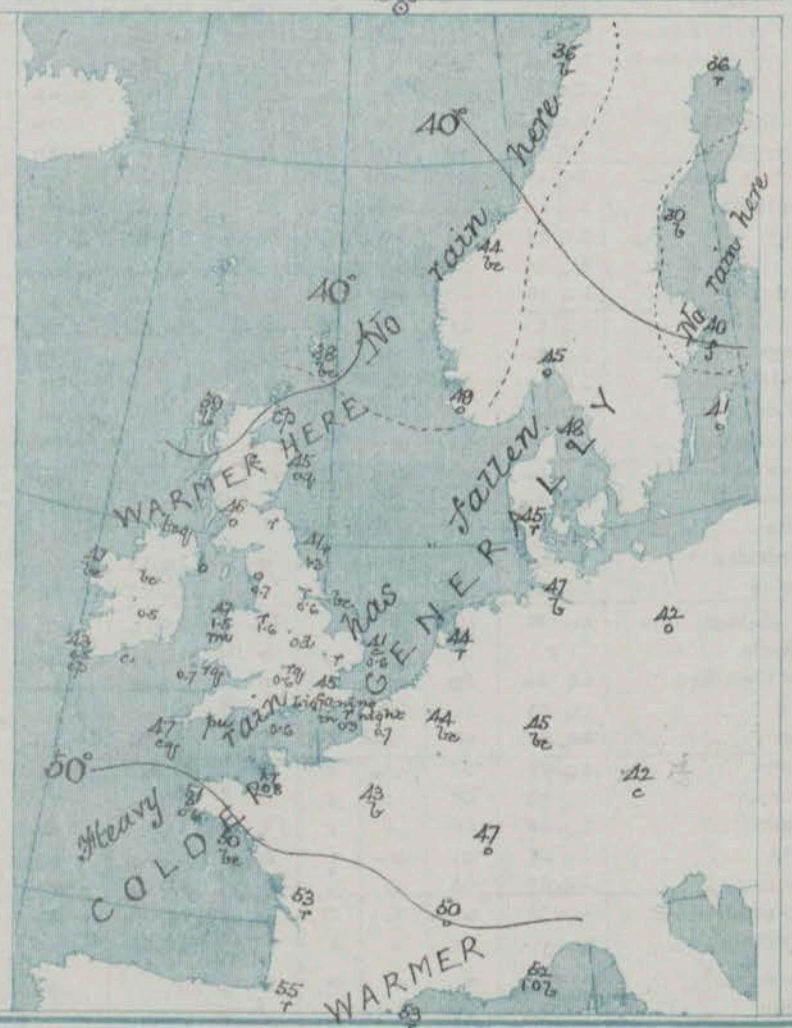
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE - The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 29·7 ins. and upwards, in Sweden, but relatively high (29·6 ins. and upwards) over the southern parts of Germany and France.
Lowest, 28·9 ins. and less in a depression lying over Northern and Central England.

TEMPERATURE — Highest, 55° at Biarritz and 49° at Hurst Castle and Dungeness.
Lowest, 38° at Lumburgh Head and 39° at Stornoway, York and Loughborough.

WIND — Strong SE½E in Denmark, and NE½E in the north of our Islands.
Fresh NW½N gales on our south-west coasts and W½N gales in the south.
Fresh SW½W or S½W breezes over the Netherlands and east of England.

WEATHER — Fine in the north of Scandinavia and the extreme north and west of our Islands.
Cloudy elsewhere with rain in many places.
Heavy rain fell generally yesterday, and lightning was seen at night in London and at Dungeness.

SEA — High off the east of Scotland as well as at Malin Head and Holyhead and rough on nearly all other parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depressions noticed over our western coasts yesterday morning have moved slowly eastward and grown much deeper and a large cyclonic system now covers the greater part of Western Europe. Over Northern and Central England, where the centre of the depression is now lying, the barometer is below 28·9 ins.

A recovery of pressure has set in on our extreme western and northern coasts, as well as in the north of Scandinavia, and the depression seems likely to travel away in an easterly or possibly in a southeasterly direction. As it does so the wind will probably veer to the northward generally, with some improvement in the weather. Cold showers are, however, likely in many parts of the Kingdom.

FORECASTS

for the 24 hours ending at NOON on 7th NOVEMBER 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 SCOTLAND NORTH	NE½E and N½E winds, increasing to a gale; squally, some cold rain.	6 SCOTLAND WEST	N½E winds, freshening; cloudy, some showers.
* 1 SCOTLAND EAST	------D°----------D°---------D°------	7 ENGLAND N. W.	N½W winds, strong; squally, some cold rain.
* 2 ENGLAND N. E.	------D°----------D°---------D°------	8 ENGLAND S. W	NW½W winds, strong; squally, showery.
3 ENGLAND EAST	SW½W to NW½W winds, increasing in force; squally and rainy at first, some improvement later.	9 IRELAND NORTH	N½W winds, strong; squally, some showers.
4 MIDLAND COUNTIES	------D°----------D°---------D°------	10 IRELAND SOUTH	N½W winds, moderate or fresh; fair generally but some showers.
* 5 ENGLAND SOUTH	W½N to NW½N strong winds and gales; squally and rainy to fair.	WARNINGS	The N cone has been hoisted this morning in districts 0 & 2. An asterisk is inverted against those districts where the signals are now flying.

Frederick Danger Field, Lith. London, W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.51	45	42	SSE 7	n	5	Holyhead ...	29.23	44	44	ESE 1	n	2
Sumburgh Head	29.32	44	41	[illegible] 0	b	2	Valencia	29.31	44	42	NW 4	c r q p	4
Stornoway ...	29.38	44	42	NNE 2	b	1	Scilly	29.35	51	46	WNW 7	c	6
Aberdeen ...	29.34	46	43	[illegible] 0	b	1	Dungeness ...	29.42	50	50	SW 6	n	5
Shields	29.35	46	44	SE 1	d	2	London	29.32	52	49	SSE 5	o q p	*
Ardrossan ...	29.23	49	45	E 2	c	1	Yarmouth ...	29.42	51	49	S 4	c	4
Malin Head ...	29.25	46	44	S 2	c	3	Jersey	29.32	51	51	SW 4	n	4
Mullaghmore ...	29.26	45	43	W 2	c	2	Rochefort ...	29.54	58	58	SSW 8	n	4
Belmullet ...	29.25	44	43	NW 3	b c p	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8 am today see pp 2 and 3.)

Yesterday morning's reports showed that the large Continental anticyclone recently noticed was still moving southeastwards, and that its centre had reached the Black Sea, while cyclonic conditions with moderate to slight gradients were spreading over the whole of Western and Northern Europe. Barometric readings varied from a little above 30·3 ins: over Southern Russia to 29·3 ins: off the western coasts of Ireland and Norway, and the barometer was falling in the United Kingdom. The wind was chiefly SW^ly and blew strongly at some of the more western stations, and, except in the east and southeast of Europe the weather was changeable, showery, and unsettled. Temperature had fallen decidedly in most places, especially in the northwest and north, and varied from 63° or 64° over Southern Italy, and from very little above 50° in the south of France to 35° in Scotland, and to several degrees below the freezing point in Russia and Hungary. The highest individual readings were 64° at Malta, and 63° at Algiers, Brindisi, Cagliari, Sanguinaire, and Syracuse; the lowest 33° at Stornoway, 26° at Moscow, and 20° at Hermanstadt, Nicolaieff and Archangel.

During the day a depression was developed immediately over the United Kingdom, where the barometer fell fast. Round this a complete cyclonic circulation of wind was subsequently established and gales were felt in many places. Much cold rain fell, and lightning was seen in the southeast of England.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 7th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.78	36	E	2	0	29.75	+.06	36	36	0	SE	1	0	*	39	34	0.04
	Hernösand ...	29.73	40	S	2	0	29.48	-.26	41	40	+11	SSE	6	n	*	41	28	0.35
	Stockholm ...	29.61	45	SE	4	0	29.58	-.17	41	40	+1	S	0	f	*	46	34	-
	Wisby	29.58	46	S	4	bc	29.57	-.15	45	45	+4	SSE	4	n	*	46	37	0.16
	Bodö	29.57	34	ESE	4	0	29.41	-.16	42	36	+6	E	4	0	2	?	?	-
	Christiansund...	29.34	46	ESE	1	0	29.17	-.26	44	40	+3	SW	2	0	5	46	39	0.39
	Skudesnaes ...	29.17	48	ESE	6	0	29.21	-.10	47	44	-2	E	4	0	4	?	?	0.12
	Christiania Fjord (Fiorder)	29.32	48	S	8	0	29.33	-.17	46	44	+1	SE	8	0	4	48	45	0.60
	Skagen (The Skaw)	29.35	48	S	4	c	29.30	-.09	48	46	0	S	3	c	2	48	46	0.04
	Fanö	29.24	43	SSE	6	b	29.15	+.02	46	44	+1	S	6	c	*	50	41	0.12
BRITISH ISLANDS.	Sumburgh Head	29.32	41	N	5	bc	29.38	-.04	40	38	+2	N	5	c	4	44	36	0.02
	Stornoway ...	29.55	39	N	6	nq	29.62	+.13	37	36	-2	NNW	3	oq	2	43	35	0.10
	Wick	29.36	42	N	7	bc	29.49	+.14	39	37	-3	N	4	bc	1	45	36	0.10
	Nairn	29.40	42	NE	6	c	29.52	+.14	39	36	-4	NNE	3	c	4	48	35	-
	Aberdeen... ...	29.22	45	N	6	oq	29.44	+.21	39	38	-6	NNW	4	bp	5	46	39	0.38
	Leith ...	29.24	45	NE	4	bc	29.54	+.40	39	37	-7	NW	1	b	*	46	38	-
	Shields	29.04	45	NNE	2	cq	29.42	+.54	42	39	-5	NW	4	c	5	47	40	1.01
	Spurn Head ..	28.94	42	W	4	n	29.46	+.55	44	43	+4	WNW	7	c	5	45	39	0.10
	York	28.95	43	W	3	n	29.48	+.60	42	39	+3	WNW	3	c	*	46	38	0.16
	Loughborough	29.05	43	NNW	4	0	29.50	+.63	39	37	0	NW	3	b	*	45	38	-
	Ardrossan ...	29.33	44	NNW	2	b	29.59	+.39	40	38	-5	NNW	1	bw	1	47	37	-
	Malin Head ...	29.46	44	N	6	bcqp	29.65	+.35	42	40	-3	NNW	4	opq	5	47	39	0.01
	Mullaghmore .	29.53	45	NNE	7	cqqp	29.71	+.36	42	39	-4	N	5	cp	4	47	39	0.12
	Belmullet ...	29.62	43	N	9	cqp	29.78	+.31	43	39	-4	NNW	3	c	*	49	39	0.11
	Donaghadee ...	29.36	47	NE	8	bc	29.61	+.42	43	42	-4	NNE	6	bc	5	47	40	0.03
	Barrow-in-Furness	29.13	45	N	6	0	29.56	+.64	42	39	-1	N	3	bc	*	47	40	-
	Liverpool (Bidston)	29.18	46	NW	7	0	29.54	+.62	44	40	+2	NNW	4	c	5	47	42	0.13
	Holyhead ...	29.28	48	NNW	9	bcq	29.58	+.59	47	43	0	NNW	5	bcq	5	49	36	0.03
	Parsonstown ...	29.52	41	NW	1	b	29.76	+.44	35	34	-7	NW	1	b	*	47	34	-
	Valencia	29.61	47	N	5	cq	29.82	+.41	42	41	-1	NNE	3	cp	3	50	38	0.11
	Roche's Point...	29.50	45	N	5	b	29.74	+.43	40	38	-4	N	4	b	4	50	38	-
	Pembroke ...	29.32	47	N	5	bc	29.62	+.57	44	43	0	NNE	3	bc	2	48	44	0.19
	Scilly	29.36	47	NNW	7	oq	29.61	+.33	48	44	+1	N	6	c	6	50	45	0.30
	Prawle Point ...	29.30	45	NNW	3	c	29.59	+.43	41	39	-5	N	1	c	2	48	38	0.19
	Jersey	29.31	50	W	7	cq	29.54	+.30	45	45	-3	ESE	2	op	3	52	42	0.86
	Hurst Castle ...	29.21	48	W	6	c	29.55	+.51	38	36	-11	NW	2	bc	2	51	35	0.04
	Dungeness ...	29.05	49	WNW	7	0	29.48	+.44	47	47	-2	NW	3	bc	2	52	41	0.57
	London	29.14	41	WNW	4	bc	29.55	+.54	41	39	-4	WSW	2	b	*	52	38	0.25
	Oxford	29.23	44	NW	5	bc	29.54	+.64	38	37	-3	NW	2	bum	*	45	36	0.11
	Cambridge ...	29.07	40	W	2	c	29.49	+.57	40	38	-1	NW	2	b	*	45	38	0.07
	Yarmouth ...	28.97	42	WSW	4	c	29.40	+.38	42	41	+1	WNW	3	bm	5	48	39	0.04
GERMANY	Cuxhaven ...	29.34	45	S	4	c	29.29	+.02	45	43	-2	SW	6	b	*	48	32	-
	Berlin	29.59	47	SW	1	0	29.61	+.13	43	42	+1	SSW	1	c	*	55	?	*
	Wiesbaden ...	*	*	*	*	*	29.64	+.11	44	43	-1	SW	1	0	*	55	41	-
	Munich	29.64	44	W	1	0	29.69	+.04	44	43	+2	SE	1	n	*	54	?	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.03	46	SSW	11	n	29.28	+.16	48	46	+4	WSW	7	0	4	48	?	0.28
	Brussels	*	*	*	*	*	29.52	+.22	43	41	-1	SW	2	b	*	51	42	-
	Cape Gris Nez...	29.06	43	W	11	n	29.47	+.39	48	44	-1	NW	4	0	4	52	43	0.98
	Paris	29.45	45	SSW	4	b	29.60	+.15	36	36	-7	SSW	1	bc	*	53	35	-
	Brest	29.41	48	NNW	4	n	29.54	+.15	46	42	-5	N	5	0	4	52	43	0.39
	Lorient	29.49	51	WNW	8	bc	29.53	+.08	47	45	-3	NE	5	0	4	50	41	0.16
	Rochefort ...	29.59	53	W	7	c	29.62	.00	50	49	-3	S	4	0	2	59	45	0.08
	Belfort	29.58	48	S	1	0	29.64	+.03	47	46	0	W	1	0	*	53	44	-
	Lyons	29.58	51	SSW	3	0	29.60	-.04	46	45	-4	N	1	0	*	56	45	0.08
	Nice...	29.64	55	ENE	1	n	29.67	+.03	54	54	+2	E	1	n	2	57	?	0.79
PENINSULA.	Perpignan ...	29.62	54	Z	0	0	29.53	-.15	49	49	-4	W	3	n	*	58	49	0.08
	Biarritz	29.57	55	N	4	n	29.56	-.10	52	51	-1	SW	4	n	5	57	46	0.39
	Corunna	*	*	*	*	*	29.71	.00	44	43	-5	ESE	3	n	4	61	43	0.39
	Lisbon	29.63	55	NE	5	n	29.78	+.05	51	49	-10	N	4	bc	5	61	50	0.98

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday, 7th November. 1886.

BAROMETER, WIND & SEA.

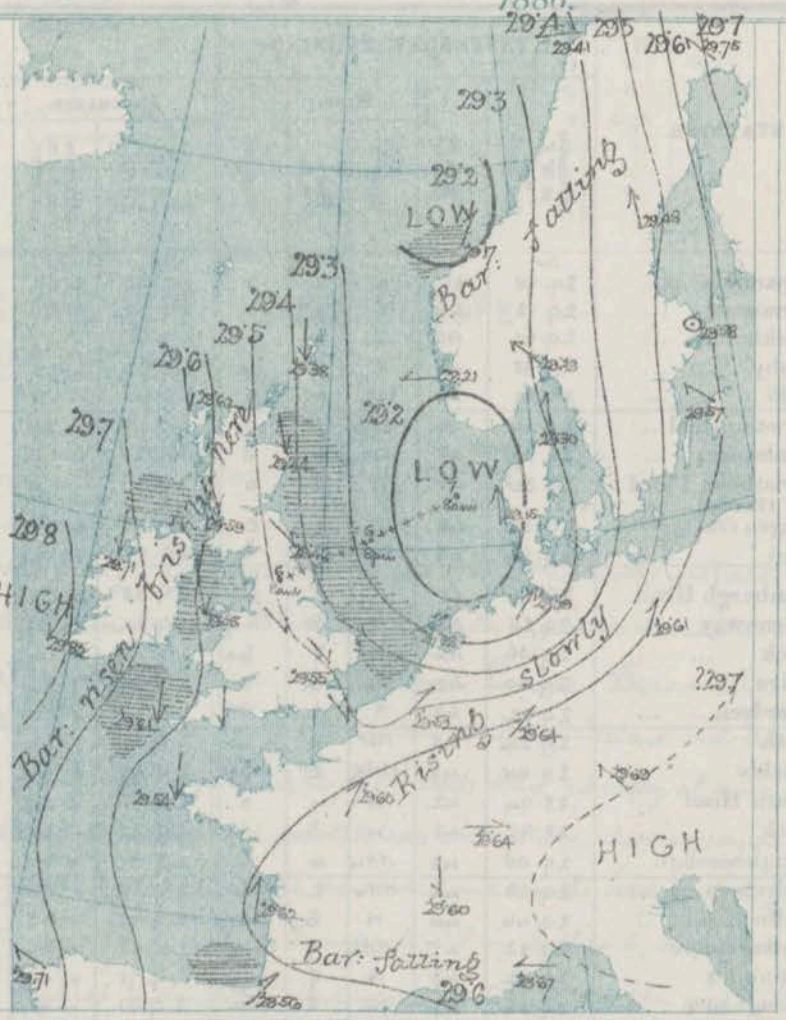
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevailing winds. They fly with the wind and their barbs and feathers refer to force, thus —*

= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

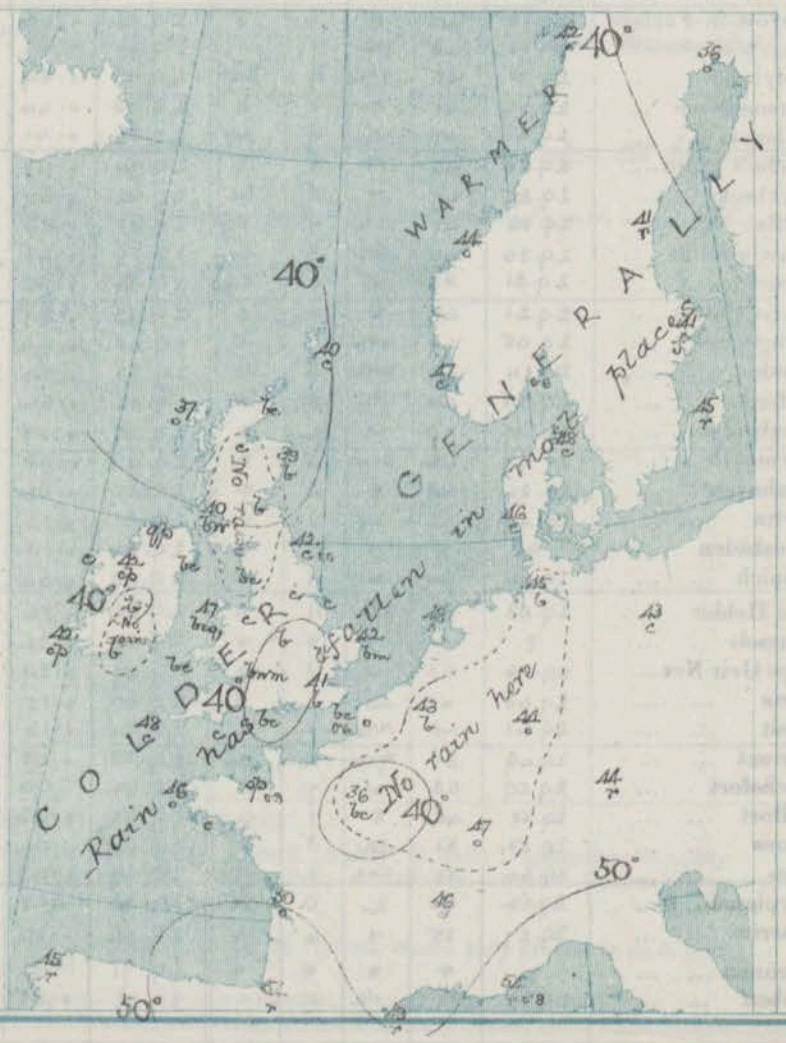
STATIONS.	MEAN READINGS. in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes, since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

Rainfall — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL. (Inches)
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80; the Rainfall means are usually those for the 20 years 1866-85.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 29.8 in. and upwards to the westward of our islands, but relatively high (29.7 in. and upwards) over the Gulf of Bothnia.
Lowest 29.2 in., and less, in a depression lying off the west coast of Denmark.
A shallow depression is apparently lying near Christiansund and another is forming over the Bay of Biscay.

TEMPERATURE — Highest 54° at Biarritz, Nice and Lisbon, and 48° at Scilly.
Lowest 35° at Parsonstown, 36° at Haparanda and 37° at Stornoway.

WIND — Moderate to strong from N. or NW. in our islands.
Light from SW. over France and the Netherlands.
Strong from S. over Sweden and Denmark.

WEATHER — Rainy in Sweden, the south of France and north of Spain, and showery in the north of Ireland.
Fair or fine in most other localities.
Rain fell generally yesterday, the largest amounts being 1.0 at Shields, 0.9 in. at Scilly and 0.6 in. at Dungeness.

SEA — Slight in the Channel, but rather rough on nearly all other parts of our coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over England yesterday has moved away to the eastern shores of the North Sea and the barometer has risen in all parts of our islands. In the south of France, however, a new fall has set in, and a depression is apparently forming over the Bay of Biscay.

FORECASTS

for the 24 hours ending at NOON on 8 November 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The Signals have been lowered this morning in district 5, but the North Coast is still flying in districts 0 to 3.

Fredk Dangerfield, Lith. London, SE.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.44	49	44	ENE 6	n	4	Holyhead ...	29.16	48	44	N 9	ogmw	7
Sumburgh Head	29.36	42	40	N 4	c	3	Valencia	29.52	50	46	N 5	bcq	5
Stornoway ...	29.51	41	40	N 6	bcpersq	5	Scilly	29.31	46	46	NW 8	nq	6
Aberdeen ...	29.19	45	43	N 6	n	7	Dungeness ...	29.00	45	45	WNW 10	tlhr	6
Shields	28.95	42	41	NNE 4	nq	6	London	28.98	46	44	W 5	o	*
Ardrossan ...	29.26	47	41	NNW 4	bc	2	Yarmouth ...	28.92	44	42	SW 5	cq	5
Malin Head ...	29.36	46	43	N 7	c	7	Jersey	29.25	52	48	WSW 8	bc	6
Mullaghmore ...	29.45	47	42	N 7	bc	6	Rochefort ...	29.59	56	50	W 7	bc	2
Belmullet ...	29.55	48	44	N 5	c	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8 a.m. today see p.p. 2. and 3.)

The Continental reports have not yet arrived.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Monday 8th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					. 8 A.M. TO DAY.									PAST 24 HOURS.		
		Barometer at 32° F and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Barometer. Reading at 32° F, and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sun. (0 to 9.)	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins	°				Ins	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.52	39	E	4	h	29.40	-.35	36	36	0	E	2	o	*	39	36	0.43
	Hernösand ...	29.46	40	S	0	h	29.30	-.18	37	37	-4	S	0	bc	*	43	37	0.20
	Stockholm ...	29.43	45	SSE	2	o	29.36	-.22	45	43	+4	W	4	o	*	50	39	0.12
	Wisby	29.52	46	SW	4	c	29.45	-.12	47	45	+2	W	6	o	*	50	43	0.32
	Bodö	29.24	40	SE	2	c	29.23	-.18	41	37	-1	ENE	2	c	1	43	39	0.044
	Christiansund...	29.19	44	SW	6	r	29.25	+.08	43	41	-1	WSW	4	r	4	?	41	0.044
	Skudesnaes ...	29.28	45	NNE	2	c	29.41	+.20	44	40	-3	W	4	c	4	48	?	-
	Christiania Fjord (Ferder)	29.22	45	E	6	o	29.36	+.03	44	42	-2	S	0	bc	2	?	41	0.74
	Skagen (The Scaw)	29.14	44	W	1	c	29.40	+.10	44	42	-4	WSW	1	c	1	48	43	0.32
	Fanö	29.43	46	W	4	b	29.60	+.45	41	38	-5	W	4	b	*	50	41	0.20
BRITISH ISLANDS.	Sumburgh Head	29.39	40	NNW	4	c	29.22	-.16	44	43	+4	W	2	c	3	45	35	0.30
	Stornoway ...	29.50	42	SW	4	og	29.22	-.40	44	44	+7	S	4	d	4	45	35	0.12
	Wick	29.47	38	N	1	bc	29.28	-.21	44	43	+5	S	1	c	1	45	35	0.09
	Nairn	29.54	38	WNW	1	bc	29.33	-.19	44	42	+5	SW	1	c	1	44	36	0.01
	Aberdeen... ...	29.53	35	NW	3	bc	29.38	-.06	40	39	+1	SW	3	c	2	43	34	0.01
	Leith ...	29.61	41	NW	1	c	29.44	-.10	46	44	+7	W	1	om	*	48	37	-
	Shields	29.60	40	S	0	m	29.53	+.11	44	41	+2	SW	2	c	3	44	34	-
	Spurn Head ...	29.61	45	NW	5	bc	29.66	+.20	40	38	-4	SW	4	cm	5	45	36	-
	York	29.64	40	WNW	1	c	29.64	+.16	39	37	-3	SSW	1	m	*	46	33	-
	Loughborough	29.69	42	NW	1	c	29.73	+.23	33	32	-6	SSE	1	b	*	48	29	-
	Ardrossan ...	29.62	37	NE	1	c	29.44	-.15	48	46	+8	SSW	5	o	4	48	35	0.02
	Malin Head ...	29.61	45	W	3	o p	29.33	-.32	45	44	+3	SSW	4	opgm	4	47	40	0.17
	Mullaghmore .	29.70	45	SW	5	o p	29.42	-.29	45	44	+3	SSW	6	on	5	47	40	0.09
	Belmullet ...	29.70	47	W	2	h	29.42	-.36	47	45	+4	W	5	h	*	48	42	0.23
	Donaghadee ...	29.69	40	NNE	2	bc	29.51	-.10	48	42	0	WSW	4	bc	2	46	39	0.03
	Barrow-in-Furness	29.63	42	NW	3	c	29.57	+.01	47	45	+5	SSW	7	o	*	47	38	0.02
	Liverpool (Bidston)	29.67	43	NNW	2	c	29.64	+.10	44	40	0	SSW	4	o	3	46	40	-
	Holyhead ...	29.68	45	NNW	4	cq	29.61	+.03	47	46	0	SW	4	cq	4	48	43	0.02
	Parsonstown ...	29.79	39	S	0	c	29.56	-.20	44	43	+9	SSW	1	om	*	44	34	0.02
	Valencia	29.84	47	NW	2	o	29.62	-.20	49	48	+7	WSW	5	opm	5	50	42	0.10
	Roche's Point...	29.82	43	NNW	3	b	29.67	-.07	46	45	+6	WSW	2	o	3	49	39	0.01
	Pembroke ...	29.73	44	NNW	2	bc	29.68	+.06	48	48	+4	SSW	5	op	3	48	42	0.01
	Scilly	29.72	47	N	5	c	29.76	+.15	49	45	+1	WSW	4	o	4	49	45	-
	Prawle Point ...	29.73	41	N	2	b	29.81	+.22	43	39	+2	WNW	2	bc	1	55	36	-
	Jersey ...	29.67	47	NE	2	o	29.82	+.28	45	41	0	NNW	2	bc	2	50	44	0.06
	Hurst Castle ...	29.69	43	NNW	1	c	29.80	+.25	36	35	-2	N	1	bc	1	49	30	-
	Dungeness ...	29.62	50	N	1	o	? 29.78	+.30	37	37	-10	N	2	f	1	52	35	-
	London	29.67	45	N	1	om	29.79	+.24	33	33	-8	W	1	b	*	47	31	-
	Oxford	29.73	43	NNE	1	o	29.78	+.24	33	32	-5	WSW	1	b	*	48	31	-
	Cambridge ...	29.68	44	SW	1	bc	29.76	+.27	33	32	-7	S	1	b	*	49	30	-
GERMANY	Yarmouth ...	29.58	44	NW	3	bc	29.74	+.34	35	34	-7	W	2	bm	4	53	33	0.01
	Cuxhaven ...	29.42	43	SW	5	bc	29.66	+.37	43	43	-2	SW	2	b	*	48	42	0.02
	Berlin	29.62	47	S	0	o	29.75	+.14	45	43	+2	S	0	o	*	52	?	*
	Wiesbaden ...	*	*	*	*	*	29.79	+.15	45	44	+1	S	0	o	*	50	43	-
	Munich	29.57	45	S	0	m	29.76	+.07	45	44	+1	NE	3	o	*	52	?	-
FRANCE & NETHERLANDS.	The Helder ...	29.57	49	WNW	1	h	29.72	+.44	47	44	-1	WSW	3	c	2	52	46	0.08
	Brussels	*	*	*	*	*	29.78	+.26	43	42	0	SW	1	o	4	49	41	0.044
	Cape Gris Nez...	29.58	47	NNW	3	bc	29.77	+.30	45	?	-3	N	3	o	3	50	45	-
	Paris	29.67	43	SSE	1	bc	29.80	+.20	38	38	+2	NE	1	o	*	49	36	-
	Brest	29.69	46	?	5	o	29.86	+.32	47	38	+1	NNW	4	b	3	50	41	0.04
	Lorient	29.63	48	NE	5	c	29.90	+.37	46	44	-1	N	3	b	2	50	41	0.04
	Rochefort ...	29.70	50	NE	4	h	29.88	+.26	46	44	-4	NNE	4	b	2	55	41	0.63
	Belfort	29.71	47	E	1	h	29.80	+.16	45	?	-2	E	1	h	*	49	?	0.71
	Lyons	29.64	47	NW	1	o	29.82	+.22	45	45	-1	SE	1	h	*	47	44	1.18
	Nice...	29.71	61	SW	1	o	29.75	+.08	60	58	+6	E	1	o	3	61	52	0.32
PENINSULA.	Perpignan ...	29.64	57	W	1	o	29.84	+.31	46	46	+ [illegible]	SW	1	h	*	60	46	0.39
	Biarritz	29.68	52	W	8	h	29.84	+.28	50	48	-4	W	11	tlh	7	55	46	1.50
	Corunna																	
	Lisbon	29.91	52	NW	5	h	30.13	+.35	49	46	-2	NW	5	b	5	59	48	0.06

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 8th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

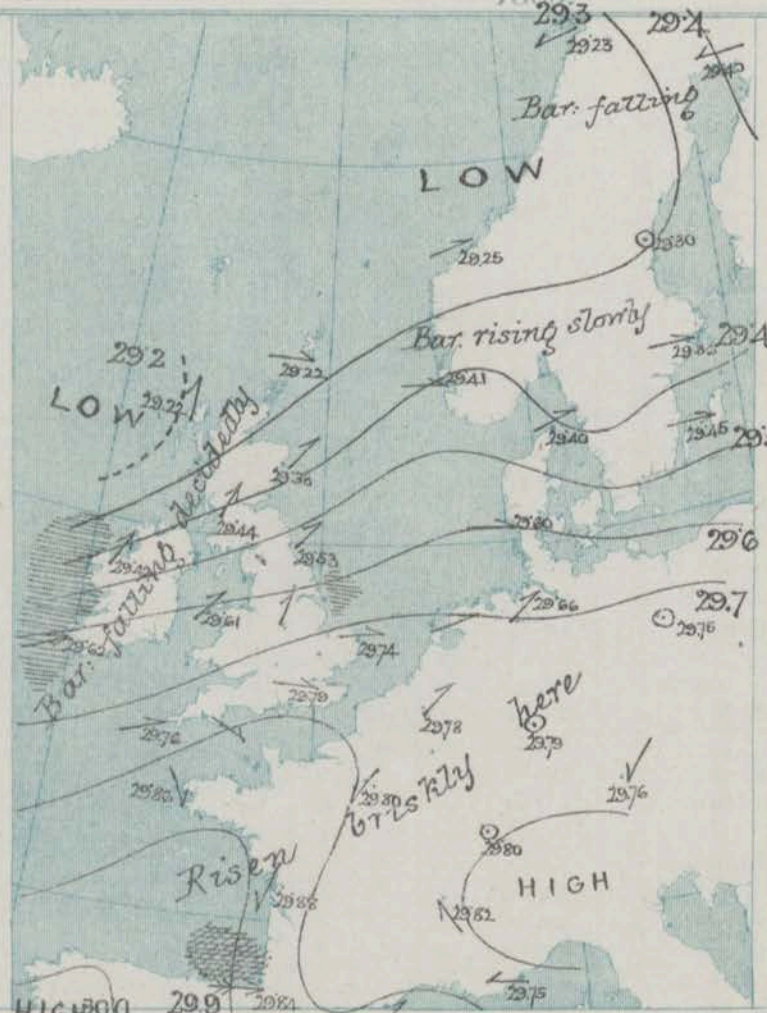
⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November
During the 10 Years 1871 — 1880.

STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M.,

with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather *is shown by Letters of the Beaufort Scale.*

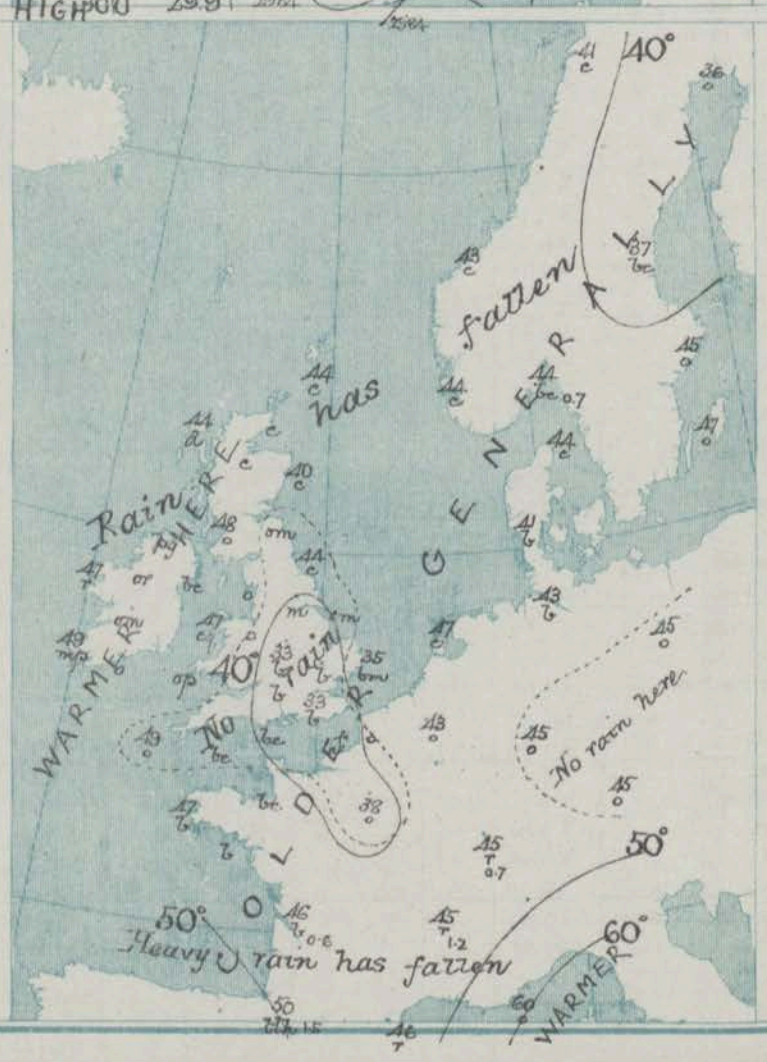
Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	46·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30.1 ins and upwards over Portugal.
Lowest, 29.2 ins and less off the north-west of Scotland.
A shallow depression lying over Southern France.

TEMPERATURE — Highest, 60° at Nice, 50° at Biarritz and 49° at Valencia and Scilly.
Lowest, 33° over Central England 36° at Haparanda and 38° at Paris.
A rise has taken place on our western and northern coasts.

WIND — Light E.ly in the north of Scandinavia and east of France.
Moderate NW.ly or N.ly over the Channel and north of France; severe W.ly gale at Biarritz
SW.ly or W.ly elsewhere, fresh or strong on our western and north-western coasts.

WEATHER — Rainy in the south of France and north of Ireland and showery at several of our western stations.
Fair or fine elsewhere, but misty in the east of England.

SEA — Rather rough off the west of Ireland but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the eastern shores of the North Sea yesterday has disappeared over Scandinavia, but a fresh disturbance is approaching the west of Scotland and the barometer is falling decidedly at all our western and northern stations.

The new depression will probably move eastwards and unsettled weather is, therefore, likely to extend over the whole Kingdom. In the rear of the disturbance the wind will probably increase considerably on our north-western and northern coasts

FORECASTS

for the 24 hours ending at NOON on 9th November *1886.*

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.ly winds, moderate, to W.ly or NW.ly strong, fair to dull and rainy
1 SCOTLAND EAST	---- D° ---- D° ----
2 ENGLAND N.E.	---- D° ---- D° ----
3 ENGLAND EAST	Same as N° 5.
4 MIDLAND COUNTIES	Same as N° 5.
5 ENGLAND SOUTH	SW.ly and W.ly winds, freshening considerably, fine to unsettled and some rain

DISTRICTS.	FORECASTS.
* 6 SCOTLAND WEST	SW.ly and W.ly winds, increasing to a gale, squally, rainy.
* 7 ENGLAND N.W.	---- D° ---- D° ----
8 ENGLAND S.W	SW.ly to W.ly winds, increasing in force; squally, showery.
* 9 IRELAND NORTH	Same as N° 6.
10 IRELAND SOUTH	Same as N° 8.
WARNINGS	The N. cone was hoisted last evening in districts 6, 7 and 9. An asterisk is inserted against those districts in which the signals are now flying.

Frederk Dangerfield, Lith. London, W.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...							Holyhead ...						
Sumburgh Head							Valencia						
Stornoway ...							Scilly						
Aberdeen ...							Dungeness ...						
Shields							London						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey						
Mullaghmore ...							Rochefort ...	29.64	51	48	W 4	r	3
Belmullet ...													

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure was then highest (30.1 ins and upwards) over Russia and the Black Sea and lowest over the North Sea—to the westward of which position the barometer rose to about 29.7 ins and upwards in the west of Ireland. The depression noticed over our islands on Saturday had reached the western coasts of Denmark, and a small subsidiary system had appeared a little to the northward of the Pyrenees. Thus while S.W. winds prevailed to the eastward of the North Sea, with wet weather and S.W. in the north of France, the wind over the greater part of the United Kingdom had shifted to the N.W. and still blew strongly at some western stations, while the air had become clearer and hazy. Temperature had fallen considerably over the British Islands and varied from rather above 50° in Brittany and the south of France, to somewhat below the freezing point over Central and Northern Russia. There was also a subsidiary cold area over the northern parts of Central France where the thermometer at 8 am was as low as 36° to 40°. The highest individual readings reported were 69° at Palma, 68° at Algiers, 66° at Palermo, 64° at Naples and Lesina and 63° at Sanguinaire; the lowest 14° at Archangel, 23° at Charkov and 28° at Moscow.

During the day the weather improved over the British Islands; the wind lulled quickly and backed to the S.W. again over Ireland. Under a clear sky the temperature fell rapidly over England and France at night, a very sharp frost occurring on the Fens at inland stations.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 31ST OCTOBER TO THE 6TH NOVEMBER 1886.

During the past week the weather over our islands has been in a very changeable unsettled state. Rain has fallen generally, and in some districts, heavily, and gales have occurred in nearly all parts of the Kingdom.

Until the closing days of the period the type of pressure distribution was southerly or south-westerly, a large area of high readings being found over Central and Southern Europe, while a series of depressions skirted our western and northern coasts. Of these the most important were:—

1. A disturbance which passed along at some considerable distance to the westward of Ireland on Sunday night, occasioning S.W. gales in the west of Ireland and Scotland.
2. A system of a precisely similar character which skirted our western coasts on the following night.
3. A larger and much deeper disturbance which appeared off the west of Scotland on Wednesday morning and subsequently travelled away north-eastwards. In this case, strong S.W. gales were experienced on all our western and northern coasts and fresh gales in the southand east.

As the third depression moved north-eastwards pressure gave way over Northern Europe, and the distribution was, therefore, modified. In the course of Friday and the ensuing night a depression was gradually formed over our islands, and on Saturday morning its centre, in which readings were below 28.9 ins, was lying over Northern and Central England. This disturbance occasioned N.E. gales on our northern coasts, N. gales in the east and W. gales in the south, with heavy and continuous rain in many places. At the close of the week, however, it was moving away eastwards and the gales were everywhere subsiding.

Temperature has been rather above the average for the time of year. Frost was, however, experienced over Central England on the night of the 2nd and in the north of Scotland on the night of the 4th.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 9th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		In.	°				In.	In.	°	°	°					°	°	In.
SCANDINAVIA.	Haparanda ..	29.87	32	N	2	0	29.57	+.17	38	32	-3	N	2	0	*	39	32	0.12
	Hernösand ...	29.51	32	Z	0	b	29.79	+.49	32	31	-5	Z	0	b	*	43	30	-
	Stockholm ...	29.66	41	S	2	0	29.87	+.51	36	35	-9	Z	0	f	*	46	?	-
	Wisby	29.66	45	SW	6	b	29.84	+.39	40	39	-7	W	4	bc	*	48	?	-
	Bodö	29.32	40	ENE	2	c	29.59	+.36	35	33	-6	ENE	2	b	1	41	34	-
	Christiansund...	29.49	40	SW	2	b	29.73	+.48	42	41	-1	ESE	1	c	3	43	36	0.12
	Skudesnaes ...	29.56	48	S	8	0	29.72	+.31	47	44	+3	E	4	0	4	48	43	-
	Christiania Fjord (Færder)	29.64	45	NE	4	b	29.82	+.46	42	40	-2	NW	2	0	2	45	39	-
	Skagen (The Scaw)	29.68	45	W	2	0	29.78	+.38	46	45	+2	SSW	2	0	0	46	43	-
	Fanö	29.72	42	S	2	c	29.69	+.09	42	42	+1	E	4	0	*	48	41	0.04
BRITISH ISLANDS.	Sumburgh Head	29.27	46	S	2	0	29.56	+.34	47	46	+3	SSE	2	c	3	48	42	0.10
	Stornoway ...	29.23	41	WSW	4	p	29.47	+.25	40	38	-4	N	3	cg	2	45	31	0.11
	Wick	29.24	45	SW	2	c	29.51	+.23	47	46	+3	SW	1	c	1	48	41	0.03
	Nairn	29.25	41	SW	1	c	29.44	+.11	42	41	-2	Z	0	h	0	48	37	-
	Aberdeen... ...	29.32	46	SSW	2	c	29.47	+.09	47	45	+7	SSE	3	h	2	47	39	0.01
	Leith ...	29.33	46	W	1	c	29.40	-.04	43	41	-3	SSE	1	c	*	49	40	-
	Shields	29.43	44	S	2	c	29.42	-.11	47	44	+3	SE	3	b	2	48	41	-
	Spurn Head ...	29.54	44	S	4	bc	29.41	-.25	48	46	+8	SE	5	b	3	48	36	0.05
	York	29.46	43	S	1	m	29.39	-.25	40	39	+1	E	2	b	*	46	38	0.02
	Loughborough	29.35	42	SSE	2	0	29.33	-.40	39	38	+6	SE	3	c	*	49	33	-
	Ardrossan ...	29.30	46	S	1	n	29.33	-.11	44	42	-4	NE	3	cm	2	48	41	0.20
	Malin Head ...	29.28	43	W	3	bcp	29.27	-.06	43	42	-2	NNE	4	cp	4	46	38	0.35
	Mullaghmore .	29.32	41	WSW	4	cp	29.28	-.14	43	41	-2	N	5	cg	4	48	34	0.15
	Belmullet ...	29.35	42	W	2	c	29.32	-.10	43	40	-4	NNE	2	bc	*	49	34	0.06
	Donaghadee ...	29.35	43	SW	2	bc	29.23	-.28	48	45	+5	ESE	5	c	3	48	38	0.39
	Barrow-in-Furness	29.38	45	SE	5	0	29.28	-.29	43	40	-4	E	5	c	7	48	42	0.09
	Liverpool (Bidston)	29.42	43	SSE	3	0	29.23	-.41	44	41	0	E	6	0	4	46	42	-
	Holyhead ...	29.37	47	SW	4	cp	29.15	-.46	45	44	-2	E	3	h	2	50	44	0.62
	Parsonstown ...	29.40	40	Z	0	c	29.28	-.28	30	29	-14	Z	0	0	*	46	29	0.15
	Valencia	29.42	42	WNW	3	b	29.28	-.34	37	37	-12	E	1	bcp	1	50	37	0.82
	Roche's Point...	29.41	44	WNW	3	c	29.27	-.40	38	37	-8	NNW	3	b	3	50	36	0.25
	Pembroke ...	29.37	51	SSW	4	c	29.18	-.50	43	42	-5	NNW	3	c	3	51	41	0.67
	Scilly	29.45	51	SW	6	cp	29.21	-.55	46	43	-3	WNW	4	cp	4	51	42	0.28
	Prawle Point ...	29.53	47	SSW	6	0	29.18	-.63	42	41	-1	NW	1	c	4	50	40	0.20
	Jersey	29.65	48	SW	4	cg	29.18	-.64	47	46	+2	W	3	cgp	3	52	45	0.20
	Hurst Castle ...	29.60	49	SW	5	bcm	29.20	-.60	48	47	+12	SSW	6	h	3	51	35	0.17
	Dungeness ...	29.68	47	W	1	c	29.38	-.40	46	46	+9	SW	6	c	4	50	35	0.04
	London	29.62	50	SSW	3	c	29.33	-.46	44	42	+11	SE	3	c	*	50	33	-
	Oxford	29.54	42	SSE	2	h	29.26	-.52	45	43	+12	SSE	5	c	*	49	32	0.02
	Cambridge ...	29.61	39	S	1	0	29.36	-.40	41	41	+8	ESE	1	b	*	49	31	-
	Yarmouth ...	29.66	42	SSW	3	b	29.45	-.29	48	45	+13	SSE	5	bc	4	48	33	0.02
GERMANY.	Cuxhaven ...	29.74	42	SSW	1	b	29.64	-.02	43	43	0	E	3	h	*	46	41	0.22
	Berlin	29.84	45	NE	1	0	29.54	-.21	45	44	0	E	2	0	*	50	43	*
	Wiesbaden ...	*	*	*	*	*	29.60	-.19	44	42	-1	SW	1	0	*	50	43	0.20
	Munich	29.68	44	?	4	h	29.61	-.15	38	37	-7	SW	5	h	*	48	37	0.08
FRANCE & NETHERLANDS.	The Helder ...	29.71	43	S	1	c	29.56	-.16	43	42	-4	S	1	f	1	48	41	-
	Brussels	*	*	*	*	*	29.54	-.24	39	38	-4	SSE	3	b	*	46	37	0.08
	Cape Gris Nez...	29.65	42	S	1	0	29.40	-.37	39	38	-6	SE	4	bc	2	48	37	0.08
	Paris	29.77	44	SSW	1	0	29.51	-.29	38	37	0	SSE	4	bc	*	48	36	-
	Brest	29.60	51	SW	5	0	29.28	-.58	47	44	0	NW	5	0	5	52	45	0.28
	Lorient	29.71	52	NNW	5	0	29.31	-.59	49	45	+3	NNW	5	bc	4	54	43	0.28
	Rochefort ...	29.82	50	SSW	4	c	29.43	-.45	51	50	+5	? WSW	8	tlh	3	59	41	0.67
	Belfort	29.78	44	W	1	b	29.66	-.14	41	40	-4	S	1	0	*	46	40	0.12
	Lyons	29.83	43	SSE	1	0	29.72	-.10	38	37	-7	S	1	b	*	45	37	0.43
	Nice																	
	Perpignan ...	29.85	44	NW	4	b	29.75	-.09	38	38	-8	W	3	bc	*	58	36	-
	Biarritz	29.94	52	W	7	0	29.54	-.30	53	46	+3	SW	8	c	5	54	45	1.10
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.23	54	W	4	b	30.01	-.12	55	53	+6	W	8	h	4	57	?	0.12

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 9th November. 1886.

BAROMETER, WIND & SEA.

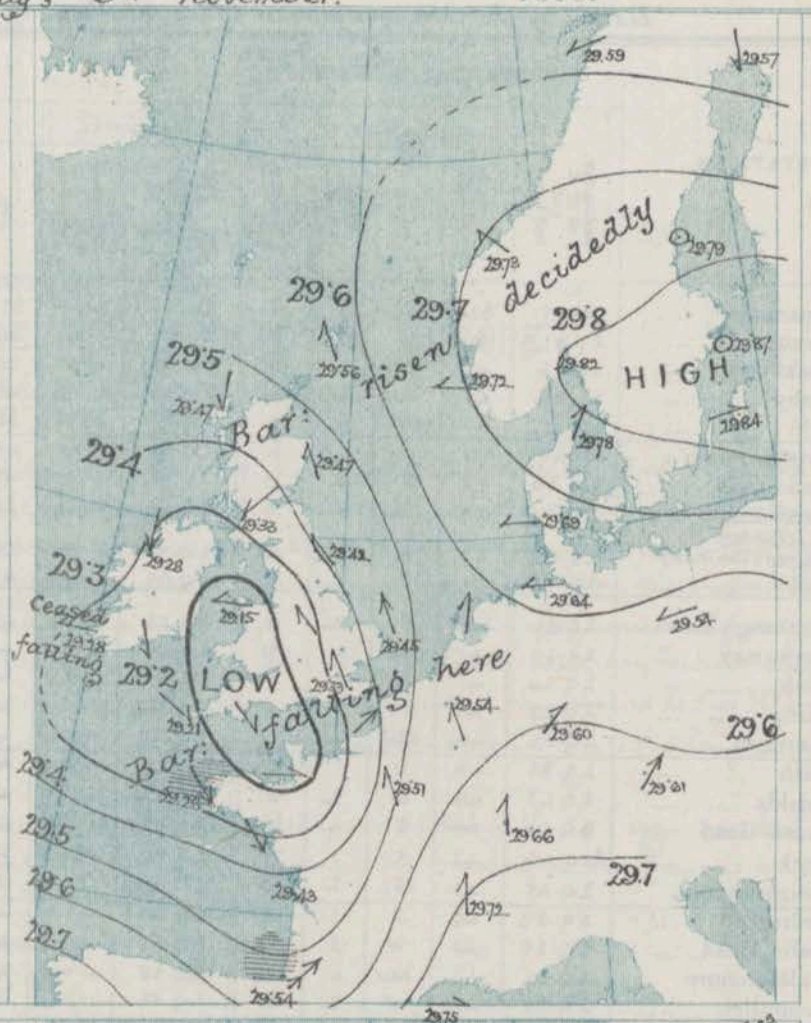
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shown thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

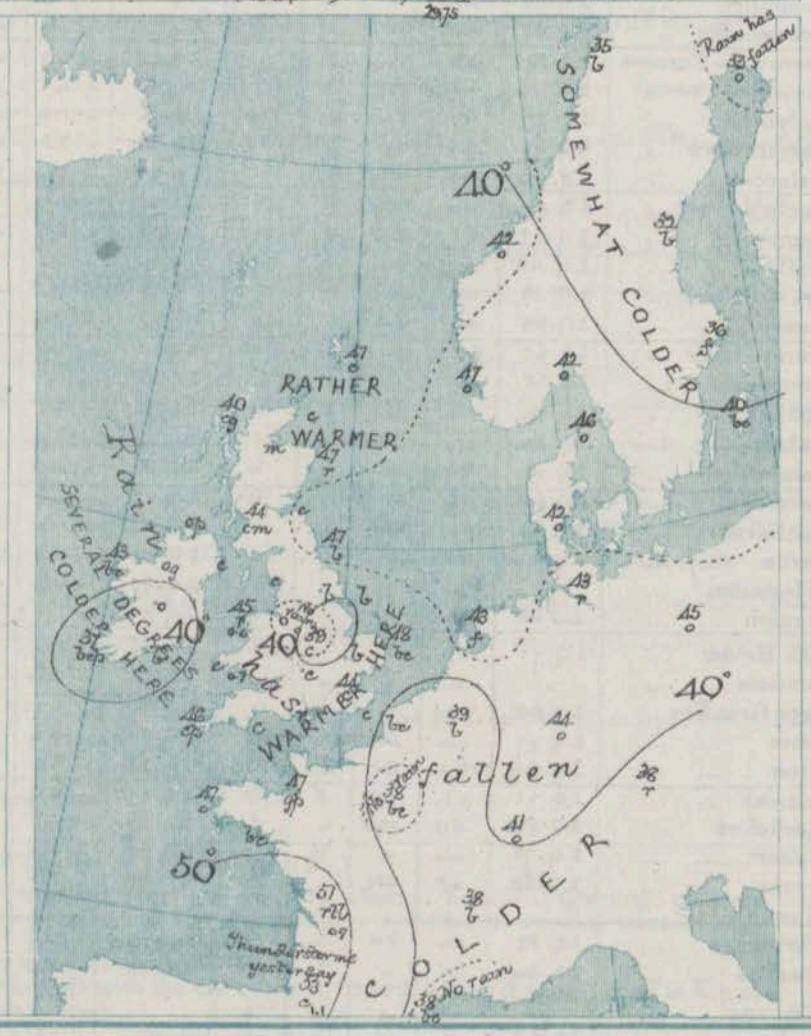
STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10°. Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·9	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	46·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866·85

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 ins: and upwards over Portugal, but relatively high (29·8 ins: and upwards) over the south of Sweden.
Lowest, 29·2 ins: and less in an elongated depression lying over Wales and the southwest of England.
A shallow depression also exists over North Germany.

TEMPERATURE

Highest, 55° at Lisbon, 53° at Biarritz, 48° at Hurst Castle and 47° at Lunabuirgh Head.
Lowest, 30° at Parsonstown, 32° at Hernosand and 38° at Perpignan.
Sharp frost occurred over Central Ireland last night.

WIND

Moderate E^ly on the eastern shores of the North Sea, and SE^ly over the Netherlands and the east coasts of Great Britain.
N^ly or NW^ly in Ireland and the southwest of England.
Strong to gale from SW. in the southwest of France.

WEATHER

Fine in the Netherlands and east of England and also in the west and south of Ireland.
Cloudy or overcast elsewhere, with showers in the west and south of England, and a thunderstorm at Rochefort.
A lunar halo was seen last evening in London and at Oxford.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance which lay off the west of Scotland yesterday morning has moved away to the northward, but in the course of the past night a new depression has been developed over Wales and the southwest of England.

Pressure is still highest over Portugal, but a second area of high readings is forming over Scandinavia.

The latter system appears likely to increase in height and to extend over our northern coasts, and the depression over England will probably move southwards or southeastwards over France. Before it moves away, however, the wind is likely to increase from the SE^ly on our east coasts.

FORECASTS

For the 24 hours ending at NOON on 10th NOVEMBER 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE^ly to E^ly winds, freshening; cloudy, some rain.	6 SCOTLAND WEST	E^ly and NE^ly winds, moderate; fair generally.
1 SCOTLAND EAST	------ D° ------ D° ------ D° ------	7 ENGLAND N.W.	E^ly and NE^ly winds, increasing in force; cloudy, some rain.
* 2 ENGLAND N.E.	SE^ly winds, increasing to a gale; fair to cloudy and some rain.	8 ENGLAND S.W.	NW^ly to N^ly winds, moderate; changeable, some showers.
* 3 ENGLAND EAST	------ D° ------ D° ------ D° ------	9 IRELAND NORTH	Same as No 7
4 MIDLAND COUNTIES	SE^ly to E^ly winds, fresh; cloudy, some rain.	10 IRELAND SOUTH	Same as No 8.
* 5 ENGLAND SOUTH	SE^ly winds, strong; cloudy, some rain.	WARNINGS	The south cone has been hoisted this morning in districts 2, 3 and part of 5. An asterisk is inserted against those districts in which the signals are now flying.

Printed by Darling & Son, Ltd., London, N.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.48	47	43	SSW 6	o	4	Holyhead ...	29.46	50	47	SSW 4	o	4
Sumburgh Head	29.26	46	45	S 1	c	2	Valencia	29.48	48	45	NW 4	o	4
Stornoway ...	29.22	44	42	SSW 3	o	8	Scilly	29.59	51	48	WSW 5	o	5
Aberdeen ...	29.34	46	43	SSW 4	c	2	Dungeness ...	29.73	49	45	W 2	c	1
Shields	29.47	46	43	SW 3	c	2	London	29.69	49	42	WSW 3	c	*
Ardrossan ...	29.33	48	47	S 5	r	4	Yarmouth ...	29.69	44	40	WSW 3	b	3
Malin Head ...	29.29	43	42	WSW 3	r	3	Jersey	29.73	51	45	WSW 3	bc	3
Mullaghmore ...	29.35	46	43	W 5	c	4	Rochefort ...	29.90	52	50	NNE 4	b	2
Belmullet ...	29.38	47	43	WNW 3	b	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

The reports for yesterday showed that at 8 am pressure varied from a little above 30·1 ins: both over Southern Russia and the south of Portugal to a little below 29·3 ins: in the extreme north-west of Scotland and over Scandinavia. The large depression of Sunday was passing away, but a subsidiary "V" shaped system was being developed over Ireland and moving eastwards, while another small depression lay near Toulon. S. and SW. winds were consequently very prevalent over the greater part of Western and Northern Europe, and variable airs in the south. The weather was very variable – rainy in many places, clear in others. Temperature had fallen in most parts of Northwestern Europe; but had risen at Sicily and at Malta and over Southern Russia. At 8 am it varied from between 68° and 72° over Sicily and Malta and from between 50° and 60° on the northern shores of the Mediterranean to between 33° and 45° over North-western Europe, where the distribution was very irregular locally. The highest individual readings were 72° at Malta, 68° at Palermo, 67° at Cagliari, and 64° at Brindisi, Naples and Rome; the lowest 18° at Archangel and 33° at St Petersburg as well as over the inland parts of the southeast of England.

During the day the subsidiary depression in the northwest began to grow deeper and the sky to assume an unsettled appearance over England – where the temperature recovered a little. Rain fell in many parts of Western Europe, and at several stations the fall was large. At none of the stations in Western Europe, however, did the thermometer reach 60° all day.

ATLANTIC TELEGRAM

The Chief Signal Officer at Washington US reports that on the 7th Inst: in Lat: 42° N. Long: 70° W the barometer at 8 am fell to 29·5 ins: during a strong gale in which the wind shifted from SE to W.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Wednesday 10th November *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.94	28	NW	2	b	30.08	+ .31	28	25	— 5	NE	2	c	*	36	27	—
	Hernösand ...	29.99	27	2	0	b	30.03	+ .24	35	34	+ 3	NNE	2	0	*	39	27	—
	Stockholm ...	29.88	40	NE	2	0	29.73	— .14	42	41	+ 6	ENE	4	r	*	46	32	0.24
	Wisby	29.75	44	ESE	6	0	29.63	— .21	45	45	+ 8	S	2	0	*	?	37	0.16
	Bodö	29.93	34	E	2	b	29.97	+ .38	33	30	— 2	E	2	0	1	36	30	—
	Christiansund...	29.87	44	ESE	2	0	29.78	+ .05	40	37	— 2	ESE	2	c	2	45	37	0.12
	Skudesnaes ...	29.71	45	ENE	3	0	29.58	— .20	41	40	— 6	N	4	r	4	48	?	—
	Christiania Fjord (Færder)	29.77	40	NE	6	0	29.64	— .18	40	39	— 2	NE	8	0	2	?	39	0.39
	Skagen (The Scaw)	29.54	40	E	6	0	29.51	— .27	46	44	0	SSW	3	0	2	?	39	0.71
	Fanö	29.36	41	NE	4	r	29.52	— .17	43	43	+ 1	SSE	4	bc	*	45	37	0.35
BRITISH ISLANDS.	Sumburgh Head	29.73	46	E	2	0	29.69	+ .13	46	45	— 1	NNE	3	r	3	49	41	0.08
	Stornoway ...	29.67	45	ENE	3	b	29.80	+ .33	43	42	+ 3	N	4	cp	3	49	38	0.12
	Wick	29.67	45	E	2	c	? 29.69	+ .15	47	46	0	E	4	0	1	49	41	0.08
	Nairn	29.61	45	2	0	0	29.72	+ .28	43	41	+ 1	NNW	3	ow	2	48	36	0.16
	Aberdeen... ...	29.61	47	ENE	3	op	29.63	+ .16	43	42	— 4	N	4	r	3	49	42	0.18
	Leith ...	29.55	46	SE	1	b	29.65	+ .25	44	42	+ 1	N	1	c	*	49	41	0.11
	Shields	29.48	48	E	4	c	29.56	+ .14	46	43	— 1	NE	2	0	4	49	44	0.12
	Spurn Head ..	29.39	49	E	6	bc	29.48	+ .07	48	46	0	NE	5	bc	4	50	46	—
	York	29.42	44	E	2	b	29.53	+ .14	42	42	+ 2	NNE	1	bc	*	51	39	0.01
	Loughborough	29.32	45	ESE	3	r	29.43	+ .10	44	43	+ 5	NE	3	0	*	47	39	0.27
	Ardrossan ...	29.32	45	ENE	2	b	29.67	+ .34	4[illegible]	40	0	N	1	bm	1	47	40	—
	Malin Head ...	29.45	48	E	5	opq	29.67	+ .40	47	45	+ 4	NE	4	bc	4	48	42	0.04
	Mullaghmore .	29.42	47	ENE	7	c	29.67	+ .39	45	44	+ 2	N	5	cp	4	48	40	0.19
	Belmullet ...	29.41	48	NE	8	0	29.72	+ .40	47	45	+ 4	NNE	2	bc	*	48	42	0.39
	Donaghadee ...	29.44	48	SE	6	bc	29.64	+ .41	45	44	— 3	NE	7	bc	5	49	37	0.02
	Barrow-in-Furness	29.39	44	ENE	5	bc	29.54	+ .26	42	40	— 1	NNE	2	bc	3	48	41	—
	Liverpool (Bidston)	29.38	45	ENE	5	c	29.52	+ .29	42	40	— 2	NE	2	bc	3	47	42	0.02
	Holyhead ...	29.29	47	ENE	5	omq	29.52	+ .37	47	45	+ 2	NE	5	c	4	48	43	0.25
	Parsonstown ...	29.30	39	NE	1	0	29.62	+ .34	40	39	+ 10	N	1	bc	*	45	29	0.13
	Valencia	? 29.30	44	SSE	4	0	29.60	+ .32	46	44	+ 9	NNE	6	bcw	6	49	37	0.34
	Roche's Point...	29.24	42	NW	3	0	29.49	+ .22	44	42	+ 6	NE	4	bc	4	45	38	0.01
	Pembroke ...	29.22	44	NW	2	c	29.41	+ .23	43	42	0	NNE	3	c	2	46	41	0.03
	Scilly	29.19	46	N	2	cp	29.40	+ .19	47	43	+ 1	NNE	1	c	5	51	43	0.15
	Prawle Point ...	29.22	41	NE	2	b	29.31	+ .13	39	38	— 3	NNE	4	c	3	53	36	—
	Jersey	29.21	44	N	1	bv	29.30	+ .02	46	45	— 1	ENE	3	og	3	51	43	0.07
	Hurst Castle ...	29.29	43	WNW	2	b	29.27	+ .07	44	44	— 4	NNE	4	rm	2	49	38	0.58
	Dungeness ...	29.25	47	SSE	6	r	29.31	— .07	47	47	+ 1	SE	4	r	3	50	45	0.19
	London	29.25	44	SE	3	or	29.33	.00	45	44	+ 1	ESE	1	ogm	*	46	40	0.32
	Oxford	29.25	43	ESE	3	0	29.38	+ .12	44	43	— 1	NNW	4	rq	*	46	38	0.07
	Cambridge ...	29.30	43	ESE	2	r	29.41	+ .05	45	45	+ 4	NE	1	r	*	48	40	0.18
	Yarmouth ...	29.37	45	ESE	6	bc	29.42	— .03	48	47	0	ESE	6	cg	5	48	45	0.31
GERMANY.	Cuxhaven ...	29.47	43	N	3	bc	29.59	— .05	36	36	— 7	SSE	1	f	*	44	35	0.40
	Berlin	29.59	46	SW	1	0	29.71	+ .17	36	35	— 9	SE	1	b	*	48	34	*
	Wiesbaden ...	*	*	*	*	*	29.51	— .09	42	40	— 2	NE	3	0	*	46	36	—
	Munich	29.64	34	NE	1	b	29.56	— .05	34	32	— 4	SE	3	0	*	43	28	—
FRANCE & NETHERLANDS.	The Helder ...	29.48	42	SE	1	bc	29.50	— .06	42	42	— 1	SE	1	bc	1	46	41	—
	Brussels	*	*	*	*	*	29.41	— .13	44	43	+ 5	SE	3	0	*	49	?	0.04
	Cape Gris Nez...	29.28	44	SSE	7	0	29.34	— .06	43	42	+ 4	SE	4	0	2	46	37	0.04
	Paris	29.36	45	SSE	3	r	29.34	— .17	45	42	+ 7	SSE	3	c	*	46	?	0.24
	Brest	29.23	43	2	0	bc	29.26	— .02	42	41	— 5	ENE	3	0	3	52	39	0.08
	Lorient	29.21	47	E	4	bc	29.25	— .06	44	42	— 5	E	4	bc	5	53	39	0.12
	Rochefort ...	29.28	56	SE	5	r	29.30	— .13	51	47	0	SW	5	c	2	59	43	0.67
	Belfort	29.54	42	E	1	b	29.46	— .20	38	37	— 3	E	1	0	*	48	36	—
	Lyons	29.48	47	SE	3	0	29.36	— .36	48	47	+ 10	SSE	3	0	*	51	?	0.08
	Nice...	29.58	48	E	3	0	29.68	— .11	48	48	+ 2	ENE	3	r	3	59	45	0.75
PENINSULA.	Perpignan ...	29.39	54	S	9	0	29.30	— .45	45	43	+ 7	2	0	0	*	56	?	—
	Biarritz	29.32	51	W	9	r	29.28	— .26	46	43	— 7	S	4	0	6	54	45	0.32
	Corunna	*	*	*	*	*												
	Lisbon	29.58	59	WSW	9	0	29.49	— .52	49	45	— 6	W	5	c	7	59	45	0.63

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday 10th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

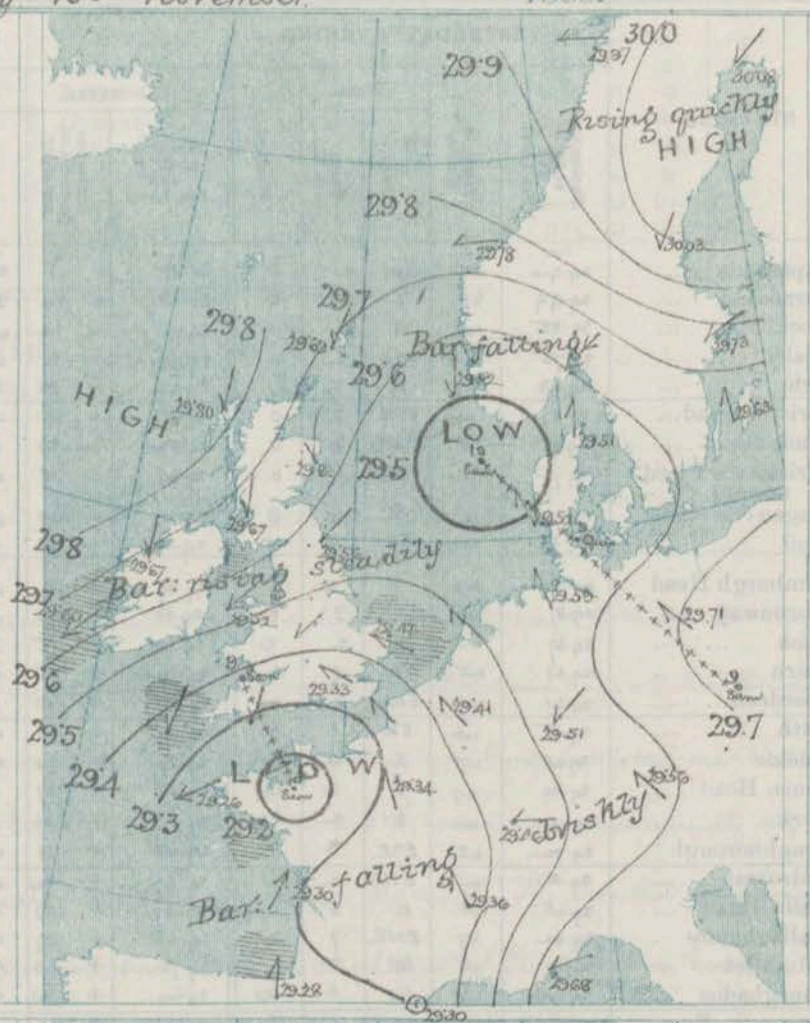
= forces above 10, = forces 8 to 10,
= forces 5 to 7, = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shown thus*
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November. During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather is shown by Letters of the Beaufort Scale.

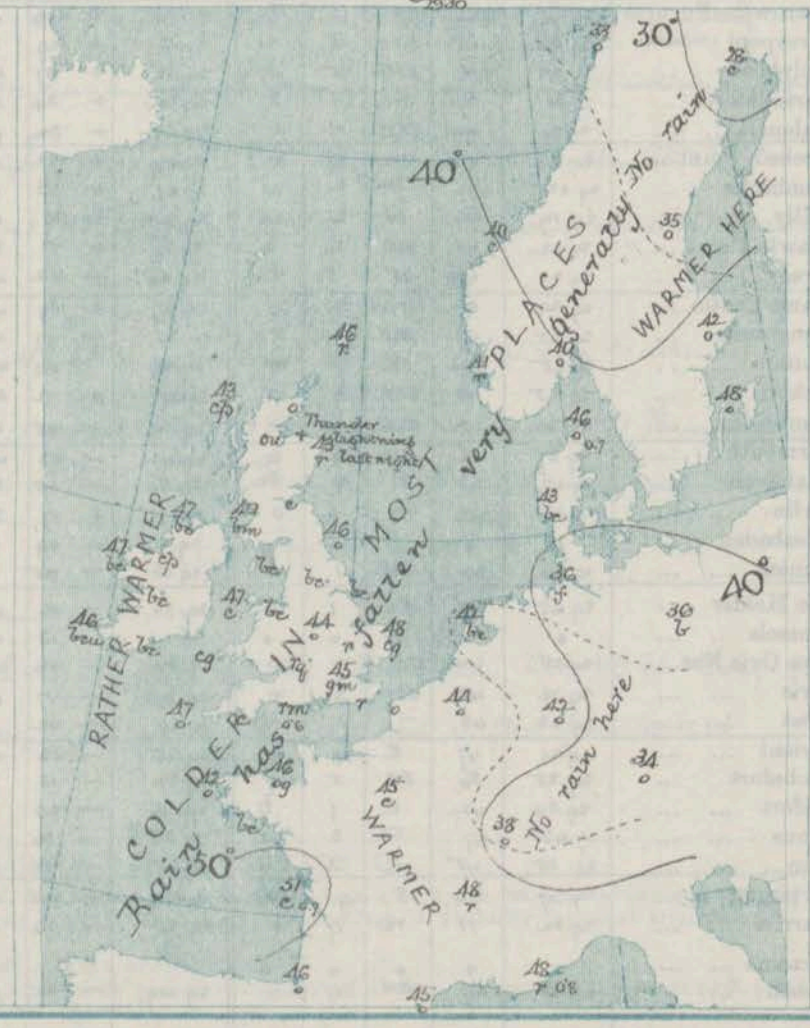
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	At 8 a.m. Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30.0 ins and upwards over the north of Sweden, but relatively high (29.8 ins) off the north-west of Scotland.
Lowest, 29.2 ins and less in a small depression lying over the north of France but relatively low 29.5 ins and less in a large, but shallower disturbance lying over the North Sea.

TEMPERATURE — Highest, 51° at Rochefort, 49° at Lisbon and 48° at Yarmouth.
Lowest, 28° at Haparanda, 33° at Brest, 36° at Cuxhaven and Berlin and 40° at Parsonstown.

WIND — Light or moderate from S. in the south-west of France and from SE. over Germany, Denmark, the Netherlands and the south-east of England
N.E.ly or N.ly elsewhere; fresh or strong in force on exposed parts of our coasts.

WEATHER — Rainy in the south-east of England and east of Scotland, as well as at Skudesnaes.
Showery on our extreme north-west coasts; fair or fine elsewhere.
Rain fell yesterday in most places and a thunderstorm occurred at Aberdeen.

SEA — Rough at Valencia, rather rough at Dungeness, Scilly and Yarmouth, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over Wales and the south-west of England yesterday morning has moved south eastwards to the north of France, and the barometer is now rising over the greater part of the Kingdom. In the meantime, however, a shallow disturbance which lay over Germany yesterday has travelled in a north-westerly direction to the North Sea so that the mercury is falling slightly on our extreme northern coasts.

The former of these systems will probably continue to move away over France and some improvement in the weather is likely over southern England. The latter seems likely to occasion an increase of the N.ly winds over Scotland with a continuance of rainy weather.

FORECASTS

for the 24 hours ending at NOON on 11th November *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N.ly winds, increasing in force; dull, squally, some rain.	6 SCOTLAND WEST	N.ly winds freshening; fair to cloudy and some rain.
1 SCOTLAND EAST	---------- D° ---------- D° ----------	7 ENGLAND N. W.	N.E.ly and N.ly winds, fresh or strong; fair generally, but some showers.
2 ENGLAND N. E.	N.E.ly and N.ly winds, fresh; squally, some showers.	8 ENGLAND S. W	---------- D° ---------- D° ----------
3 ENGLAND EAST	---------- D° ---------- D° ----------	9 IRELAND NORTH	N.ly winds, strong; fair generally.
4 MIDLAND COUNTIES	---------- D° ---------- D° ----------	10 IRELAND SOUTH	---------- D° ---------- D° ----------
5 ENGLAND SOUTH	E.ly to N.E.ly winds, moderate or fresh; rainy to fair.	WARNINGS	The S. cone has been lowered this morning in districts 2, 3 and part of 5.

Fred^k Dangerfield, Lith. London, W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.76	48	43	ENE	4	o	4	Holyhead ...	29.21	45	44	E	5	rmq	4
Sumburgh Head	29.65	47	46	SE	2	bc	3	Valencia	29.29	47	43	N	3	o	3
Stornoway ...	29.58	48	46	ENE	3	b	2	Scilly	29.19	47	43	WNW	2	cp	5
Aberdeen ...	29.56	49	46	SE	2	cp	2	Dungeness ...	29.23	47	47	SSE	6	r	4
Shields	29.45	47	44	E	3	c	2	London	29.25	46	44	SE	4	od	*
Ardrossan ...	29.43	46	44	ENE	3	bc	2	Yarmouth ...	29.38	48	45	SE	6	b	5
Malin Head ...	29.34	47	45	E	5	o	5	Jersey	29.19	50	47	WSW	3	bc	3
Mullaghmore ...	29.26	47	45	ENE	6	org	5	Rochefort ...	29.38	52	49	SSW	4	r	2
Belmullet ...	29.28	44	43	NNE	7	r	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

Yesterday morning's reports showed that the distribution of pressure over Europe was very irregular and complex. The highest readings of all (30 ins: and upwards) were reported over the south of Spain, the north of Africa and the Black Sea but another (small) high pressure area, in which readings were slightly above 29.7 ins:, had been formed over Scandinavia. In the region between these two areas three low pressure areas had appeared – one having its centre over the west of England, another over Germany (between Cassel and Prague) and a third over the south of France. The winds over Western Europe were consequently very variable, but mostly S. to SW., while on the extreme northwestern and northern coasts they were N. The weather was unsettled and cold, the sky very cloudy, foggy in some places and rainy in many – while thunder and lightning had occurred in the southwest of France. Temperature varied from upwards of 60° over the southern parts of the Mediterranean, and from upwards of 50° over the Bay of Biscay to between 40° and 44° in the NW. of the British Isles and to rather below the freezing point over Northern Europe. The highest individual readings were 67° at Malta 66° at Brindisi, 64° at Lesina and 62° at Naples. the lowest 25° at Archangel, 32° at Hernosand and 35° at Bodö

During the day the depression over England began to move southeastwards, while that over Germany moved northwestward. The wind drew into E. over the British Isles and the weather remained in an exceedingly changeable condition, and was cold.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.89	24	SE	2	o	29.70	-.38	24	24	- 4	2	0	o	*	?	?	-
	Hernösand ...	29.80	38	NE	2	s	29.82	-.21	33	32	- 2	2	0	s	*	37	23	0.47
	Stockholm ...	29.82	41	SW	4	c	29.90	+.17	41	40	- 1	S	2	f	*	46	37	0.16
	Wisby	29.73	45	WNW	4	c	29.82	+.19	40	39	- 8	SE	4	o	*	50	?	-
	Bodö ...	29.84	33	E	2	o	29.72	-.25	38	32	0	E	2	c	1	34	30	-
	Christiansund...	29.69	40	ESE	2	c	29.69	-.09	37	36	- 3	2	0	b	2	41	34	-
	Skudesnaes ...	29.61	47	ESE	6	r	29.76	+.24	46	44	+ 5	ESE	4	o	4	[illegible]	41	-
	Christiania Fjord (Færder)	29.73	41	NNW	4	bc	29.78	+.14	45	45	+ 5	NE	4	bc	2	?	?	0.16
	Skagen (The Scaw)	29.73	45	S	3	c	29.74	+.23	46	44	0	SE	2	o	1	?	43	-
	Fanö	29.65	41	E	2	o	29.67	+.15	45	43	+ 2	E	4	m	*	45	41	0.04
BRITISH ISLANDS.	Sumburgh Head	29.75	43	NNE	4	r	29.74	+.05	41	40	- 5	2	0	c	1	47	?39	0.03
	Stornoway ...	29.88	43	NNE	5	c q p	29.86	+.06	39	38	- 4	WNW	2	o m	1	47	38	0.05
	Wick	29.76	45	NE	6	b	29.79	+.10	39	38	- 8	NW	1	c	1	48	38	0.11
	Nairn	29.77	45	WNW	3	bc	29.85	+.13	40	38	- 3	?NW	2	c	2	48	38	0.04
	Aberdeen... ...	29.66	45	N	4	r	29.79	+.16	42	41	- 1	NNW	4	c	2	48	40	0.09
	Leith ...	29.67	46	NE	1	c	29.79	+.14	45	42	+ 1	NE	1	c	*	47	43	0.01
	Shields	29.59	46	NNW	1	o	29.72	+.16	46	44	0	NNE	1	c p	4	49	43	0.14
	Spurn Head ...	29.52	48	NE	5	c	29.59	+.11	49	47	+ 1	NNE	6	c	5	49	45	0.01
	York	29.58	42	NNE	1	c	29.68	+.15	41	40	- 1	N	1	bc	*	50	36	-
	Loughborough	29.50	45	NNW	4	r	29.60	+.17	43	42	- 1	N	3	o g m	*	47	42	0.15
	Ardrossan ...	29.70	47	Z	0	o	29.81	+.14	42	39	+ 2	NNW	1	b	0	48	40	-
	Malin Head ...	29.74	48	NNE	4	o	29.85	+.18	46	45	- 1	NE	3	o	4	48	45	-
	Mullaghmore .	29.77	48	NNE	5	bc	29.86	+.19	45	44	0	NNE	5	c p	3	50	45	-
	Belmullet ...	29.84	49	NE	6	o	29.93	+.21	47	44	0	NE	5	o	*	50	44	-
	Donaghadee ...	29.70	49	E	6	c	29.79	+.15	47	45	+ 2	NE	7	bc	5	50	44	-
	Barrow-in-Furness	29.60	45	N	2	c	29.71	+.17	43	41	+ 1	NE	2	c	*	49	41	-
	Liverpool (Bidston)	29.60	41	NNE	1	c	?29.66	+.14	40	39	- 2	NNE	1	bc	2	47	39	-
	Holyhead ...	29.61	48	NNE	5	c q	29.70	+.18	47	44	0	NE	4	bc	4	49	44	-
	Parsonstown ...	29.73	42	Z	0	b	29.84	+.22	40	39	0	NNW	2	c	*	47	38	-
	Valencia	29.75	48	NE	5	c	29.89	+.29	47	45	+ 1	NE	5	bc	5	50	46	0.02
	Roche's Point...	29.66	45	NE	5	b	29.77	+.28	43	41	- 1	NE	3	b	3	49	40	-
	Pembroke ...	29.51	44	NE	5	c	29.67	+.26	44	43	+ 1	NE	3	c	2	47	42	-
	Scilly	29.38	49	NNE	7	r	29.58	+.18	49	46	+ 2	NE	6	o	5	51	45	0.12
	Prawle Point ...	29.34	46	NNE	6	o	29.60	+.29	42	41	+ 3	NNE	4	c	4	46	38	0.42
	Jersey	29.30	48	ESE	3	o	29.55	+.35	47	46	+ 1	SSE	1	c w	1	51	43	-
	Hurst Castle ...	29.37	45	NE	2	o m r	29.56	+.29	43	43	- 4	NNE	2	b e m	2	48	41	0.40
	Dungeness ...	29.37	50	SSE	4	o	29.46	+.15	43	43	- 4	N	2	r	2	50	42	0.47
	London	29.43	46	E	2	o	29.51	+.18	46	45	+ 1	NW	2	r	*	47	42	0.35
	Oxford	29.48	43	NE	4	o	29.57	+.19	44	43	0	NW	2	o	*	46	43	0.37
	Cambridge ...	29.47	44	NE	2	r	29.48	+.07	46	46	+ 1	N	2	r	*	48	40	0.48
	Yarmouth ...	29.45	45	ESE	3	bc	29.47	+.05	48	48	0	ENE	7	o g q r	6	49	45	0.28
GERMANY.	Cuxhaven ...	29.64	42	E	3	bc	29.59	-.00	44	43	+ 8	ESE	3	f	*	45	?	-
	Berlin	29.66	46	E	3	f	29.65	-.06	40	39	+ 4	SE	2	bc	*	50	?	*
	Wiesbaden ...	*	*	*	*	*	29.70	+.19	43	42	+ 1	S	1	c	*	48	41	-
	Munich	29.52	49	NE	4	o	29.79	+.23	44	41	+ 10	NW	3	o	*	55	34	-
FRANCE & NETHERLANDS.	The Helder ...	29.51	44	E	1	c	29.53	+.03	44	43	+ 2	E	3	o	2	45	?	-
	Brussels	*	*	*	*	*	29.52	+.11	44	42	0	SW	7	o	*	47	41	0.08
	Cape Gris Nez...	29.38	46	SSE	4	o	29.46	+.12	46	46	+ 3	W	7	r	5	48	43	0.91
	Paris	29.39	44	SSE	1	o	29.61	+.27	42	41	- 3	SSW	3	c	*	49	42	0.24
	Brest ‡	29.26	46	WSW	5	o	29.48	+.22	42	40	0	E	4	bc	4	52	39	0.24
	Lorient	29.32	46	Z	0	c	29.49	+.24	44	44	0	ESE	4	o	4	50	39	0.24
	Rochefort ...	29.38	48	S	5	r	29.60	+.30	46	45	- 5	SE	8	r	2	52	39	1.30
	Belfort	29.39	41	E	1	o	29.75	+.29	42	40	+ 4	S	1	b	*	45	36	-
	Lyons	29.35	40	NNW	5	r	29.70	+.34	43	40	- 5	N	3	c	*	48	28	1.85
	Nice...	29.37	59	W	5	f	29.76	+.08	51	48	+ 3	E	3	r	5	59	46	1.70
PENINSULA.	Perpignan ...														*			
	Biarritz	29.38	50	S	4	bc	29.37	+.29	50	45	+ 4	SSW	4	c	5	54	45	-
	Corunna	*	*	*	*	*												
	Lisbon	29.52	50	Z	0	r	29.63	+.14	44	43	- 5	NNE	5	o	6	55	43	0.12

For Explanation of Columns, see p. 4. ‡ Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Thursday, 4th November. 1886.

BAROMETER, WIND & SEA.

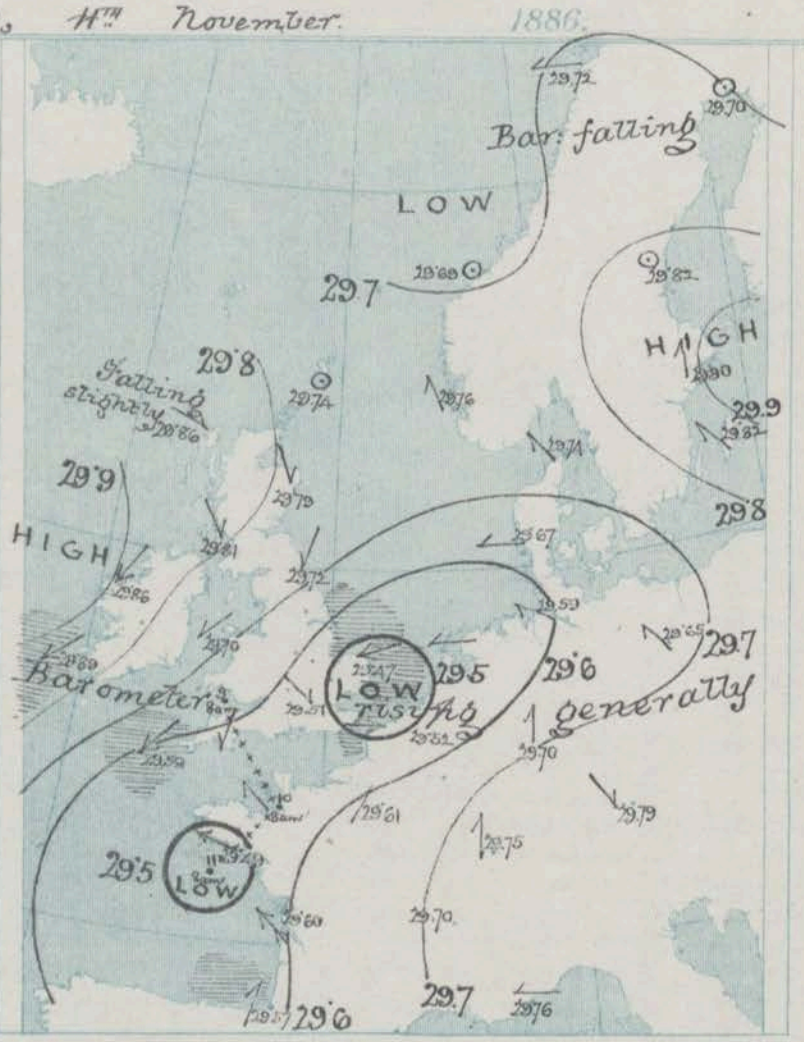
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10;
⟶ = forces 5 to 7, ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

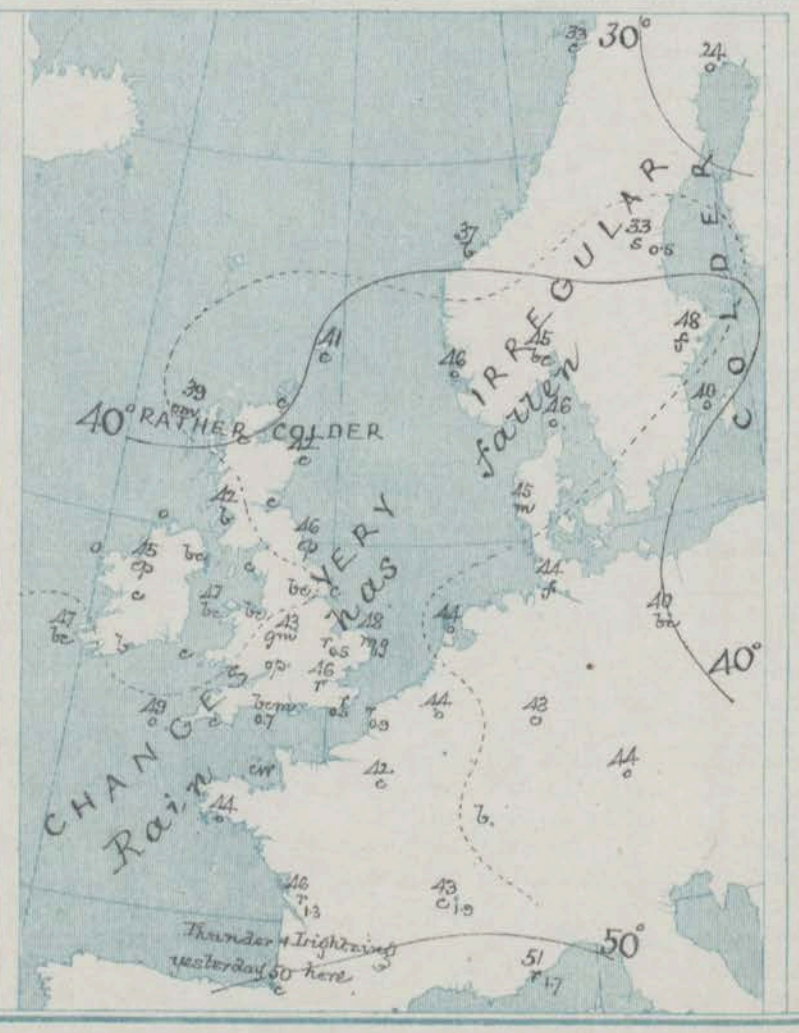
STATIONS.	MEAN READINGS. Ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather *is shown by Letters of the Beaufort Scale.*

Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·03
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·[illegible]	3·15

NOTE – The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 29 9 ins: and upwards, over the Baltic and to the westward of our Islands.
Lowest, 29 5 ins: and less, in two depressions lying respectively off the East of England and west of France.

TEMPERATURE — Highest, 50° at Biarritz, and 49° at Spurn Head and Scilly.
Lowest, 24° at Haparanda, 33° at Bodö and Hernösand and 39° at Stornoway and Ulrick.

WIND — Light S. in France; moderate SE. on the Eastern shores of the North Sea.
NW. in Scotland, NE. over England and Ireland, with moderate gales at Donaghadee and Yarmouth.

WEATHER — Rainy in the south-east of England as well as at Rochefort, showery at Shields and Mullaghmore.
Cloudy in most other localities, with snow at Hernösand.
Heavy rain fell yesterday over France and the extreme south of England, and a lunar halo was seen at Holyhead.

SEA — Rough at Yarmouth, and rather rough at Spurn Head, Donaghadee, Valencia and Scilly, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression noticed yesterday morning over the north of France has moved away to the westward of that country, while the larger disturbance over the North Sea has apparently dispersed.

In the course of the night, however, a new depression has been formed off the East coast of England; while a decided fall of the barometer which has set in over the north of Scandinavia seems to indicate the advance of yet another system towards the Norwegian coast.

The changes in pressure are so peculiar that it is very difficult to tell in which direction the above depressions will ultimately move. The disturbance off the East of England may possibly travel slowly southwards, but no settled weather is likely over our Islands at present.

FORECASTS

for the 24 hours ending at NOON on 12th November. 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW. winds, moderate; fair to dull and some rain.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	------ D° ---------- D° ------- D° ------	7 ENGLAND N. W.	NE. and N. winds, moderate; fair generally.
2 ENGLAND N. E.	N. winds, moderate or fresh; changeable, some showers.	8 ENGLAND S. W	NE. winds, strong; fair to dull and some rain.
3 ENGLAND EAST	NE. winds, fresh or strong; unsettled, rain at times.	9 IRELAND NORTH	NE. and N. winds, fresh; changeable, some showers.
4 MIDLAND COUNTIES	Same as No 2	10 IRELAND SOUTH	------ D° ------- D° -------- D° -------
5 ENGLAND SOUTH	N. winds, moderate, unsettled, rain at times.	WARNINGS	NONE ISSUED.

Frederick Danger printed, Lith. London, SE.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.54	46	42	E 4	n	4	Holyhead ...	29.57	48	45	NNE 5	cq	4
Sumburgh Head	29.60	46	42	NNE 4	o	4	Valencia	29.67	48	46	NNE 5	bc	5
Stornoway ...	29.84	45	43	NNE 5	cqp	4	Scilly	29.33	50	47	NNE 6	c	6
Aberdeen ...	29.62	48	46	N 4	cp	3	Dungeness ...	29.34	49	47	SSE 4	o	3
Shields	29.57	46	44	NNW 1	cp	4	London	29.34	46	44	ESE 3	on	*
Ardrossan ...	29.66	48	44	NNE 4	o	[illegible]	Yarmouth ...	29.42	47	46	E 6	oqn	5
Malin Head ...	29.71	48	47	NNE 4	o	4	Jersey	29.22	48	46	SE 3	o	3
Mullaghmore ...	29.73	49	45	NNE 5	bc	4	Rochefort ...	29.35	50	48	SW 5	n	2
Belmullet ...	29.80	50	47	NNE 5	bc	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday (Wednesday) morning showed that while pressure had increased both over Eastern and northern Europe, and to the northward of the British Isles the changes in the southwest and over the North Sea had been in an opposite direction. The depression which lay over the west of England on Tuesday had moved southwards to Brittany and apparently another system had been developed over the Bay of Biscay; the shallow depression reported over Germany on Tuesday had, in the meantime moved NW^ward to the North Sea, while the small shallow one in the southeast of France had filled up. Thus, while S^rly and SE^rly winds were blowing over France and Germany, NE^rly winds were being felt over the British Isles. The weather was cloudy, wet and very unsettled generally, the rainfall in some places was large, and although some clearance of the sky was observed at times the change proved very temporary and local. Temperature varied from between 63° and 66° at the Italian stations, and about 54° in the south of France to rather below the freezing point over Russia and Finland. Over Germany and Central France also the readings were low. The highest individual values were 66° at Rome, and 63° at Malta, Brindisi and Cagliari; the lowest 27° at Ulleaborg, 28° at Haparanda, and 29° at Moscow.

During the day the depression over Brittany moved away to the westward, while that over the North Sea filled up, so that an improvement in the weather occurred over the east of England in the evening. During the night however, a fresh, shallow system was developed over the southeast of England and rain recommenced.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 12th November *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
				Wind.			Barometer.		Shade Temp.			Wind.				Shade Temp.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Direc.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Max.	Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
Scandinavia	Haparanda ..	29.89	27	Z	0	0	29.79	+.09	28	28	+ 4	E.	2	S	*	30	23	0.08
	Hernösand ...	29.84	33	Z	0	c	29.81	-.01	35	35	+ 2	Z	0	0	*	37	32	-
	Stockholm ...	29.85	43	ENE	2	0	29.78	-.12	45	43	+ 4	ESE	2	f	*	45	39	0.04
	Wisby	29.78	46	ESE	4	n	29.75	-.07	45	45	+ 5	SSE	2	0	*	48	39	0.04
	Bodö	29.66	33	E	2	0	29.49	-.23	36	32	+ 3	ENE	5	0	2	36	30	-
	Christiansund...	29.56	42	SW	1	0	29.55	-.14	43	41	+ 6	S	1	c	2	?	?	-
	Skudesnaes ...	29.65	46	SSE	6	0	29.56	-.20	49	45	+ 3	SE	4	0	4	48	46	-
	Christiania Fjord (Færder)	29.75	43	E	2	m	29.73	-.05	44	44	- 1	ESE	2	m	1	45	41	-
	Skagen (The Scaw)	29.72	46	SSE	1	0	29.71	-.03	45	44	- 1	Z	0	0	0	?	43	-
	Fanö	29.70	46	SW	1	c	29.69	+.02	38	38	- 7	SSE	4	b	*	48	37	-
British Islands	Sumburgh Head	29.55	48	W	1	0	29.46	-.28	44	43	+ 3	Z	0	0	1	44	38	0.39
	Stornoway ...	29.47	45	SSW	4	n	29.52	-.34	41	41	+ 2	N	4	bp	8	47	37	0.32
	Wick	29.54	41	S	2	n	29.43	-.36	43	42	+ 4	Z	0	0	0	43	38	0.28
	Nairn	29.57	40	SW	1	n	29.41	-.44	44	43	+ 4	NNW	2	0	2	44	37	0.28
	Aberdeen... ...	29.61	39	Z	0	0	29.42	-.37	39	38	- 3	WNW	1	cm	1	46	38	0.05
	Leith ...	29.65	44	NE	1	c	29.43	-.36	38	38	- 7	W	1	onm	*	47	36	0.34
	Shields	29.63	47	NNE	2	op	29.42	-.30	40	38	- 6	Z	0	m	3	50	38	-
	Spurn Head ...	29.48	48	N	6	n	29.46	-.13	43	43	- 6	WNW	3	cm	3	49	42	0.79
	York	29.59	45	N	2	n	29.45	-.23	41	40	0	WSW	1	n	*	47	39	0.06
	Loughborough	29.58	43	NNW	3	n	29.48	-.12	41	40	- 2	WSW	1	n	*	45	41	0.24
	Ardrossan ...	29.67	45	NNW	1	n	29.43	-.38	42	41	0	NNW	1	0	1	47	38	0.49
	Malin Head ...	29.66	42	SW	3	on	29.48	-.37	47	45	+ 1	NNE	4	ogp	5	49	42	0.66
	Mullaghmore .	29.74	45	WSW	4	on	29.55	-.31	47	44	+ 2	NNW	5	c	4	50	42	0.52
	Belmullet ...	29.79	45	W	3	n	29.64	-.29	46	44	- 1	N	3	0	*	50	44	0.77
	Donaghadee ...	29.71	45	N	3	c	29.44	-.35	47	46	0	NE	6	n	4	49	38	0.51
	Barrow-in-Furness	29.65	46	N	2	0	29.42	-.29	42	41	- 1	NE	3	nf	*	48	41	0.31
	Liverpool (Bidston)	29.65	46	NW	1	0	29.42	-.24	40	38	0	SE	2	n	3	48	39	0.17
	Holyhead ...	29.69	48	NNW	3	c	29.36	-.34	49	48	+ 2	NNW	5	ogp	4	49	41	0.49
	Parsonstown ...	29.81	44	NW	1	0	29.57	-.27	45	43	+ 5	NW	2	n	*	48	39	0.47
	Valencia	29.86	49	N	3	c	29.64	-.25	50	49	+ 3	N	4	bc	4	51	46	0.51
	Roche's Point...	29.80	47	N	3	0	29.57	-.20	49	48	+ 6	NW	4	c	4	52	43	0.45
	Pembroke ...	29.72	44	NNE	1	0	29.44	-.23	48	48	+ 4	NW	4	p	4	49	43	0.35
	Scilly	29.69	51	NNE	5	c	29.51	-.07	51	50	+ 2	WNW	5	op	4	52	44	0.17
	Prawle Point ...	29.69	43	NNE	3	b	29.54	-.06	45	44	+ 3	W	4	ng	4	49	40	0.11
	Jersey	29.66	47	SW	2	og	29.59	+.04	49	47	+ 2	W	4	opm	3	50	45	0.06
	Hurst Castle ...	29.62	43	NW	2	op	29.54	-.02	43	43	0	WNW	1	nm	1	47	42	0.15
	Dungeness ...	29.56	42	NW	5	n	29.55	+.09	47	46	+ 4	W	3	n	2	47	42	0.30
	London	29.53	45	N	1	n	29.54	+.03	42	41	- 4	S	1	cm	*	47	41	0.64
	Oxford	29.60	42	N	3	n	29.51	-.06	41	40	- 3	SSW	1	on	*	44	41	0.45
	Cambridge ...	29.50	45	N	2	n	29.52	+.04	?43	41	- 3	SW	1	0	*	48	40	0.65
Germany	Yarmouth ...	29.46	48	SSE	2	c	29.51	+.04	44	43	- 4	WSW	3	ongf	3	54	42	0.22
	Cuxhaven ...	29.70	43	SW	2	b	29.71	+.12	39	39	- 5	ESE	2	b	*	46	39	-
	Berlin	29.77	43	Z	0	bc	29.76	+.11	43	42	+ 3	Z	0	f	*	52	39	*
	Wiesbaden ...	*	*	*	*	*	29.75	+.05	38	38	- 5	Z	0	0	*	50	36	-
	Munich	29.83	41	NW	2	0	29.73	-.06	36	35	- 8	SE	2	0	*	52	34	-
France & Netherlands	The Helder ...	29.64	44	SSE	3	b	29.56	+.03	40	39	- 4	SSE	3	c	3	48	39	-
	Brussels	*	*	*	*	*	29.66	+.14	40	39	- 4	S	3	b	*	47	39	-
	Cape Gris Nez...	29.53	46	SW	9	n	29.58	+.12	47	45	+ 1	W	5	n	5	50	45	1.85
	Paris	29.73	46	SW	3	0	29.73	+.12	41	40	- 1	SSE	3	0	*	53	36	-
	Brest	29.69	45	ENE	4	b	29.60	+.12	51	47	+ 9	WNW	4	0	4	55	39	-
	Lorient	29.70	46	E	5	c	29.72	+.23	49	46	+ 5	W	1	0	2	50	43	-
	Rochefort ...	29.71	52	SE	8	0	29.80	+.20	49	48	+ 3	S	5	0	2	54	43	0.28
	Belfort	29.77	39	E	3	b	29.82	+.07	41	40	- 1	E	1	n	*	48	36	0.08
	Lyons	29.75	46	NE	1	n	29.88	+.18	41	40	- 2	N	1	c	*	48	40	1.88
	Nice...	29.84	50	NE	1	n	29.86	+.10	49	46	- 2	E	1	n	2	52	45	0.91
Peninsula	Perpignan ...	29.66	53	SE	3	0	29.88		39	38		S	3	0	*	64	38	-
	Biarritz	29.70	50	S	3	b	29.84	+.24	46	41	- 4	S	4	b	2	59	45	-
	Corunna	*	*	*	*	*												
	Lisbon	29.72	50	NNE	4	b	29.75	+.12	45	42	+ 1	NE	8	0	6	54	?	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday, 12th November 1886.

BAROMETER, WIND & SEA.

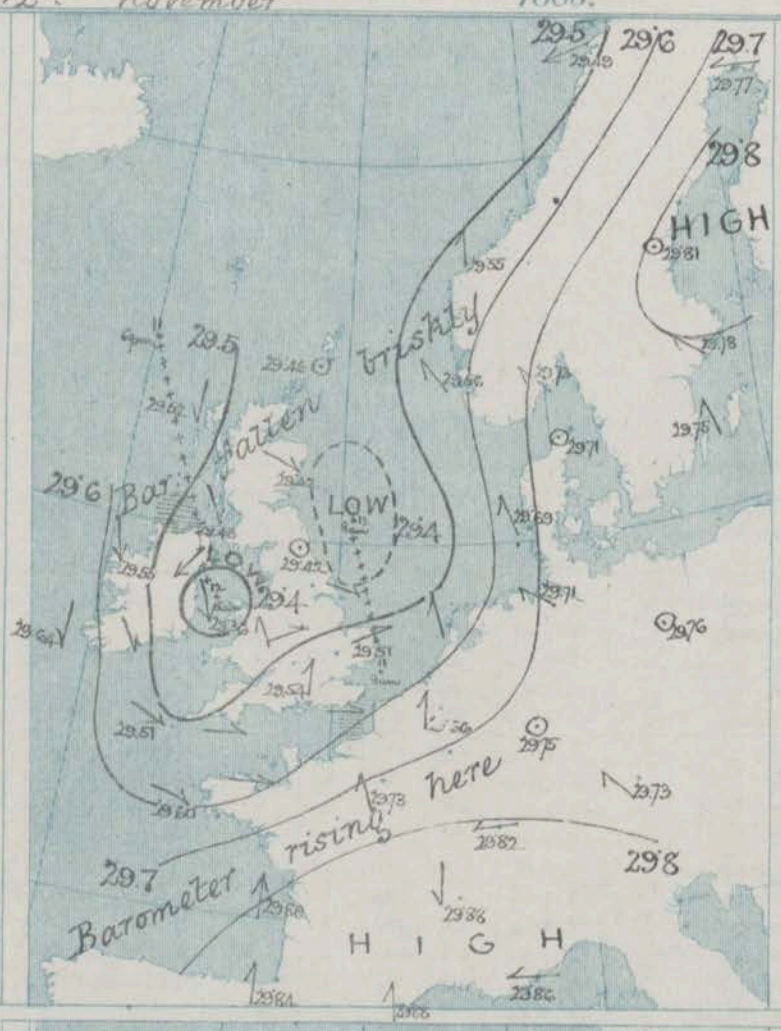
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevailed winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⊛⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871 — 1880.

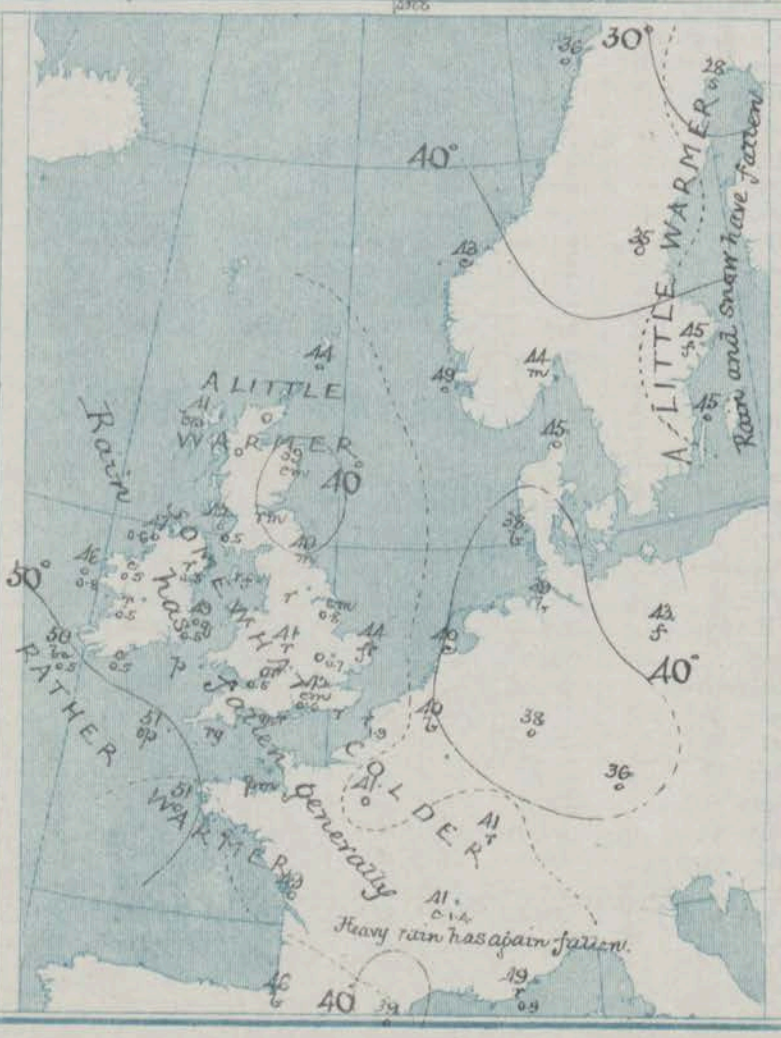
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words*

Weather — *is shown by Letters of the Beaufort Scale*

Rainfall — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 29·8 ins. and upwards over the Gulf of Bothnia and also over the south of France.
Lowest, 29·4 ins. and less in two depressions lying respectively over the Irish Sea and off the NE. of England.

TEMPERATURE — Highest, 51° at Scilly and Brest, and 50° at Valencia.
Lowest, 28° at Haparanda, 36° at Munich, 38° at Leith, and 39° at Perpignan.

WIND — N. or NW. on our west and north coasts; fresh or strong in force at exposed stations.
Light SW. over the south-east of England.
Moderate S. or SE. at most of the Continental stations.

WEATHER — Fine over the Netherlands and south of Denmark, as well as in the south of Ireland.
Dull elsewhere, with rain in many parts of the United Kingdom.
During yesterday heavy rain fell generally, the largest amounts being 1·9 ins. at Cefn Hy, 1·1 ins. at Lyons, 0·9 ins. at Nice and 0·8 in. at Spurn Hd. and Belmullet.

SEA — Rather rough at Malin Head, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off the East of England yesterday has apparently moved slowly to the N.ward but in the course of the night a new disturbance has advanced in a SSE. direction to the Irish Sea.

A large trough of low pressure is now lying over the greater part of Western Europe, and the movements of depressions are very irregular. The disturbance over the Irish Sea will probably continue to travel SE.ward but its future progress is likely to be slow, and on reaching our south coasts the system may possibly disperse. The general conditions remain exceedingly unsettled.

FORECASTS

for the 24 hours ending at NOON on 13th NOVEMBER 1886.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. and NW. winds, moderate; cloudy, some showers.
1 SCOTLAND EAST	..... D° ..... D° ..... D° .....
2 ENGLAND N.E.	Variable or W. breezes, cloudy, some mist and rain.
3 ENGLAND EAST	Same as No 5
4 MIDLAND COUNTIES	Same as No 5.
5 ENGLAND SOUTH	SW. and W. winds, freshening, cloudy, unsettled, some rain.

DISTRICTS.	FORECASTS.
* 6 SCOTLAND WEST	N. winds, freshening; cloudy, some showers.
* 7 ENGLAND N.W.	NW. winds, increasing in force; dull, some rain.
* 8 ENGLAND S.W.	..... D° ..... D° ..... D° .....
* 9 IRELAND NORTH	N. winds, strong; cloudy, some showers.
* 10 IRELAND SOUTH	..... D° ..... D° ..... D° .....
WARNINGS	The N. cone was hoisted last evening in districts 6 to 10 and part of 5. An asterisk is inserted against those districts in which signals are now flying.

Frank Dangerfield, Lith. London, N.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.72	48	45	SSE 6	o	4	Holyhead ...	29.72	48	45	N 3	c q	3
Sumburgh Head	29.63	43	41	2 0	o	1	Valencia	29.89	49	47	NE 4	c	4
Stornoway ...	29.66	41	40	SSW 4	d	4	Scilly	29.65	52	47	NE 5	c	4
Aberdeen ...	29.71	45	43	NNW 3	c	2	Dungeness ...	29.49	46	46	NW 4	r	3
Shields	29.69	49	45	NNE 2	c	4	London	29.50	47	46	WNW 3	o dm	*
Ardrossan ...	29.74	47	43	NNW 1	o	1	Yarmouth ...	29.44	48	48	ENE 3	o	3
Malin Head ...	29.76	46	44	NW 3	o	3	Jersey	29.61	49	47	SSE 2	bc	2
Mullaghmore ...	29.84	47	43	N 2	o	2	Rochefort ...	29.69	52	49	SSE 5	r	2
Belmullet ...	29.90	46	44	N 3	r	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

Yesterday morning's report showed that pressure varied from a little above 30.1 ins: over the Black Sea and Southern Russia and from 29.9 ins: off the west of Ireland to 29.5 ins: over the Bay of Biscay and the south-eastern counties of England. Thus, while SW and SE winds prevailed over France, North Germany and the Baltic, NE winds were felt over the British Islands and blow strongly on the East coast. The weather was gloomy and very rainy in the neighbourhood of the low pressure areas, and was, in fact, rather showery over Northern Europe also, while over Central and Eastern Europe the weather was fine. Temperature varied from about 65° over the southern parts of the Mediterranean and Adriatic to rather below the freezing point over Northern Europe and in the neighbourhood of Clermont also. Over the British Islands the values ranged from 39° to 49°. The highest individual values reported were 66° at Cagliari, 64° at Malta and 63° at Lesina, the lowest 24° at Haparanda, 26° at Uleaborg (Finland) 28° at Archangel, and at Clermont.

In the course of the day a great deal of rain fell over the British Isles and France, and some in Sweden. Temperature rose to 65° at Perpignan, but did not exceed 52° in any part of our Islands,— in London the maximum was only 46°.

ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that:—

1. On the 8th Inst in Lat: 45° N. Long: 55° W. the barometer at 9am fell to 29.8 ins: during a whole gale in which the wind veered from S to W
2. On the same day in Lat 43° N. Long 52° W. the barometer at 6am fell to 29.6 ins: during a fresh gale in which the wind veered from SW to NW.

These reports taken in connection with that published in the DWR of Nov 9th seem to show that on the 7th & 8th Inst: a depression was moving quickly over the Atlantic in an ENE direction. The disturbance may possibly have been identical with that which advanced to our NW. coasts last evening, and which is now lying over the Irish Sea.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Saturday 13th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
				Wind.			Barometer.		Shade Temp.			Wind.				Shade Temp.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Direc.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Max.	Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
Scandinavia	Haparanda ..	29.64	36	S	4	0	29.49	-.80	39	39	+11	SW	4	0	*	39	25	0.08
	Hernösand ...	29.71	38	Zo	0	0	29.60	-.21	35	34	0	Zo	0	f	*	39	32	-
	Stockholm ...	29.72	44	Zo	0	h	29.58	-.20	44	43	-1	Zo	0	f	*	46	39	0.04
	Wisby	29.68	35	SSE	2	h	29.55	-.20	45	45	0	SE	2	0	*	46	?	0.04
	Bodö	29.36	38	SW	5	h	29.39	-.12	41	39	+5	WSW	6	c	3	41	36	0.39
	Christiansund...	29.53	48	SW	2	c	29.54	-.01	42	39	-1	SSE	1	b	4	48	39	-
	Skudesnaes ...	29.58	48	ESE	6	b	29.45	-.11	49	44	0	ESE	6	0	4	50	48	-
	Christiania Fjord (Færder)	29.69	43	N	2	0	29.60	-.13	42	41	-2	E	2	bc	1	45	41	-
	Skagen (The Scaw)	29.66	46	S	1	0	29.57	-.14	45	45	0	SSE	2	0	1	46	43	-
	Fanö	29.62	40	S	3	b	29.49	-.20	37	37	-1	SSE	4	b	*	46	37	-
British Islands	Sumburgh Head	29.45	47	SE	1	c	29.29	-.17	45	44	+1	SE	2	h	2	48	44	0.05
	Stornoway ...	29.50	41	N	3	c	29.27	-.25	41	40	0	W	2	bp	1	45	36	0.05
	Wick	29.44	45	Zo	0	0	29.26	-.17	40	40	-3	NW	1	0	1	45	40	0.07
	Nairn	29.45	40	Zo	0	bc	29.29	-.12	41	40	-3	Zo	0	h	1	45	37	0.07
	Aberdeen... ...	29.40	44	NW	4	bc	29.30	-.12	40	39	+1	W	1	c	1	45	38	0.01
	Leith ...	29.45	42	W	1	0	29.33	-.10	41	41	+3	NW	1	cm	*	43	37	0.02
	Shields	29.43	42	W	1	0	29.36	-.06	39	38	-1	W	1	cum	2	44	34	-
	Spurn Head ...	29.45	43	SSW	3	c	29.38	-.08	41	40	-2	W	5	bcm	3	47	40	0.01
	York	29.45	43	WSW	1	0	29.39	-.06	37	37	-4	W	1	b	*	45	?	?
	Loughborough	29.45	43	ESE	1	0	29.44	-.04	41	41	0	W	2	c	*	45	38	0.02
	Ardrossan ...	29.46	42	Zo	0	b	29.35	-.08	47	46	+5	SW	1	0	1	49	38	-
	Malin Head ...	29.53	44	NW	3	op	29.38	-.10	47	44	0	NW	4	bp	4	48	43	0.07
	Mullaghmore .	29.59	46	N	4	0	29.49	-.06	47	45	0	NW	5	cpm	5	49	44	0.07
	Belmullet ...	29.64	47	NW	2	0	29.56	-.08	47	46	+1	NW	3	c	*	49	45	0.09
	Donaghadee ...	29.50	44	NE	4	c	29.41	-.03	43	42	-4	W	3	c	1	49	40	0.07
	Barrow-in-Furness	29.46	42	NNW	1	0	29.41	-.01	45	44	+5	NW	3	0	*	45	40	0.04
	Liverpool (Bidston)	29.47	42	ESE	1	0	29.43	+.01	45	44	+5	W	3	0	4	46	40	0.09
	Holyhead ...	29.48	48	N	3	0	29.46	+.10	45	45	-4	WSW	2	dm	2	50	45	0.12
	Parsonstown ...	29.64	45	NW	1	0	29.56	-.01	43	42	-2	Zo	0	b	*	48	42	0.04
	Valencia	29.71	49	NNW	3	c	29.66	+.02	49	47	+1	NNW	3	c	3	51	48	0.09
	Roche's Point...	29.62	47	N	4	b	29.62	+.05	48	47	-1	NW	4	bc	4	52	45	0.01
	Pembroke ...	29.51	46	NW	4	h	29.53	+.09	47	47	-1	WNW	4	h	3	49	46	0.04
	Scilly	29.55	50	WNW	6	0	29.59	+.08	51	50	0	WNW	4	op	4	53	47	0.05
	Prawle Point ...	29.50	48	NW	3	c	29.58	+.04	45	43	0	WNW	2	c	2	50	42	0.16
	Jersey	29.48	50	SW	5	op	29.58	-.01	48	46	-1	NW	3	op	3	51	46	0.47
	Hurst Castle ...	29.44	47	WSW	2	bc	29.53	-.01	44	43	+1	WNW	2	cm	1	50	39	0.21
	Dungeness ...	29.45	51	WSW	5	c	29.46	-.09	42	42	-5	WNW	3	c	3	51	39	0.27
	London	29.45	46	W	2	ogh	29.47	-.07	42	41	0	WSW	2	0	*	48	40	0.13
	Oxford	29.45	44	ESE	1	0	29.49	-.02	41	40	0	WSW	1	c	*	45	40	0.08
	Cambridge ...	29.45	44	S	1	h	29.45	-.07	42	41	-1	Zo	0	0	*	45	39	0.09
	Yarmouth ...	29.47	46	SSW	1	oh	29.38	-.13	43	42	-1	WNW	3	of	3	49	41	0.41
Germany	Cuxhaven ...	29.62	43	SSE	2	b	29.53	-.18	40	39	+1	S	2	bc	*	46	37	-
	Berlin	29.72	42	Zo	0	0	29.68	-.08	41	40	-2	SW	1	bc	*	48	41	-
	Wiesbaden ...	*	*	*	*	*	? 29.71	-.04	41	41	+3	Z	0	0	*	45	?	0.20
	Munich	29.88	36	Zo	0	b	29.80	+.07	30	29	-6	SE	3	b	*	45	28	-
France & Netherlands	The Helder ...	29.55	44	S	1	0	29.29	-.27	46	45	+6	SW	4	0	3	46	?	0.35
	Brussels	*	*	*	*	*	29.45	-.21	46	45	+6	SSW	3	h	*	49	44	0.04
	Cape Gris Nez...	29.48	49	SW	8	0	29.46	-.12	45	44	-2	WNW	5	0	5	50	?	0.28
	Paris	29.69	47	S	3	0	29.58	-.15	45	45	+4	SSW	3	0	*	50	?	-
	Brest	29.53	50	N	4	0	29.66	+.06	50	44	-1	NW	4	0	4	52	46	0.24
	Lorient	29.61	53	WNW	4	c	29.67	-.05	50	47	+1	NNW	5	0	2	54	43	0.04
	Rochefort ...	29.75	58	WSW	4	h	29.75	-.05	51	49	+2	NW	4	h	2	[illegible]	45	0.83
	Belfort	29.82	45	W	1	bc	29.74	-.08	31	30	-10	W	1	b	*	49	28	-
	Lyons	29.84	46	S	1	b	29.80	-.08	41	39	0	S	4	b	*	55	38	-
	Nice...	29.85	52	E	1	0	29.80	-.06	50	44	+1	E	4	0	1	54	46	-
	Perpignan ...	29.84	48	Z	0	0	29.78	-.10	47	45	+8	SE	3	0	*	58	?	-
	Biarritz	29.82	53	S	4	b	29.79	-.05	49	44	+3	SSW	4	b	1	61	45	-
Peninsula	Corunna	*	*	*	*	*												
	Lisbon	29.80	50	N	5	b	29.86	+.11	51	48	+6	NW	5	b	2	55	?	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 13th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

⟶ = forces above 10, ⟶ = forces 8 to 10;
⟶ = forces 5 to 7, ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — where considerable is shewn thus
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
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Dover	29·882
LONDON	29·885
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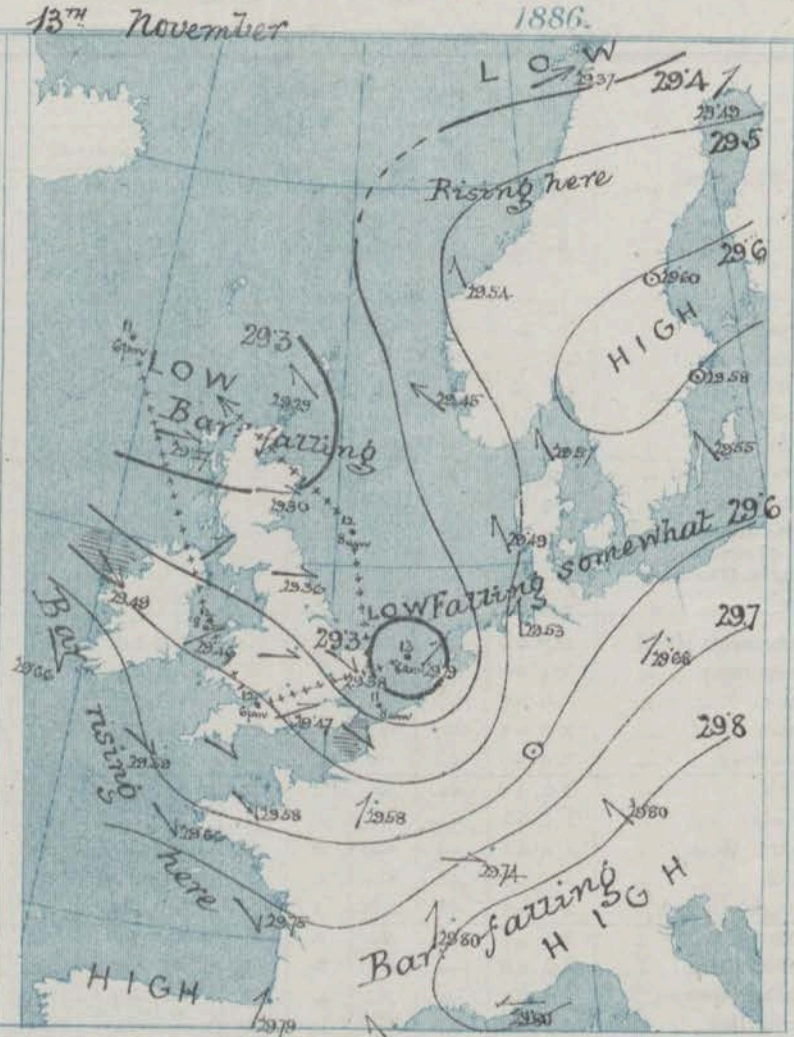
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
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Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
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Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
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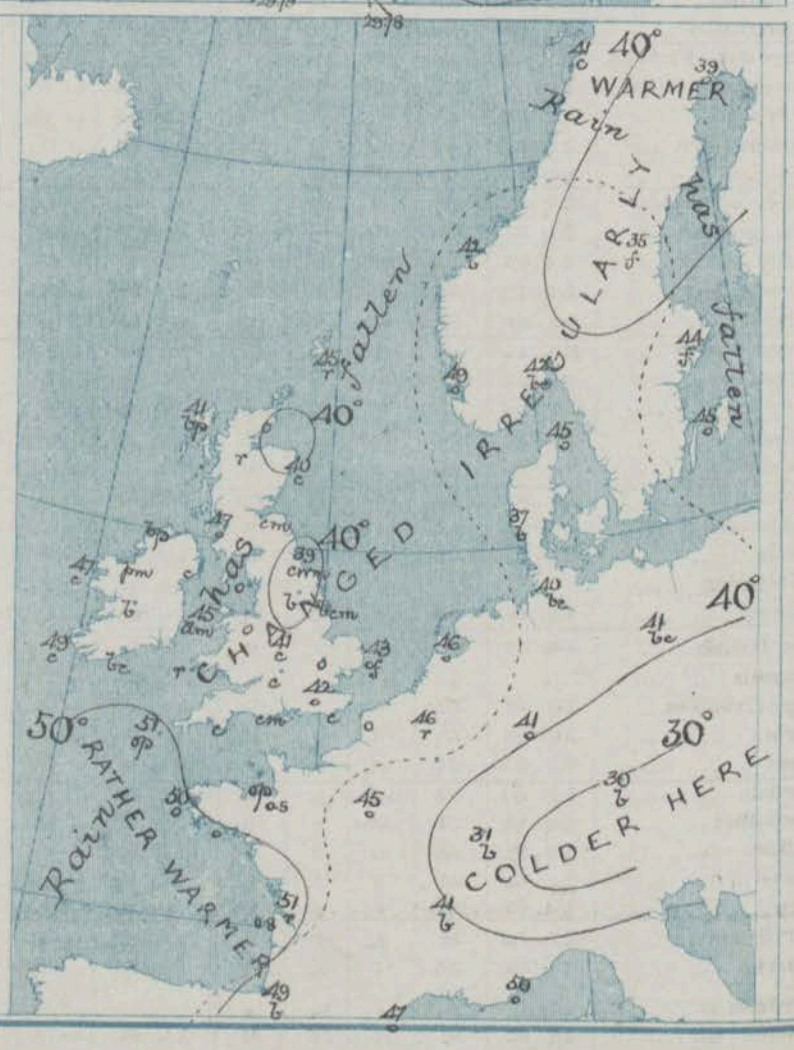


GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 29·8 ins: and upwards, over Spain and also over Switzerland, the S. of Germany and the SE. of France.
Lowest, 29·3 ins: and less, in a depression lying off the north of Scotland.

TEMPERATURE — Highest, 51° at Scilly, Rochefort and Lisbon, and 50° at Brest and Lorient.
Lowest, 30° at Munich, 31° at Belfort, 35° at Hernösand, and 37° at York.

WIND — Moderate SE. on the eastern shores of the North Sea; E. in the south of France.
Moderate W. or NW. over our Islands and the west and north of France.

WEATHER — Rainy at Nairn, Holyhead, Pembroke and Rochefort, and showery on our extreme northwest coasts.
Cloudy generally but fine at some of our eastern stations as well as in South Germany.
Rain again fell yesterday in most places.

SEA — Rather rough at Mullaghmore, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the Irish Sea yesterday after moving southeastwards to the neighbourhood of Somersetshire has passed in an ENE. direction to the southern part of the German Ocean. In the meantime the other disturbance noticed off our northeast coasts has travelled away in a NW. direction, and in the rear of these the barometer is now rising at most of the English and Irish stations

A special report from Valencia however, shows that the barometer there has now (at 10 am) ceased rising, and that cirrus cloud is moving fast from WNW. There is consequently some reason to believe that fresh depressions are advancing from the westward, and, under these circumstances the improvement in the weather now reported in many places is likely to prove merely temporary.

FORECASTS

for the 24 hours ending at NOON on 14th November 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. winds, backing later; changeable, some showers.	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	------D°---------D°---------D°------	7 ENGLAND N.W.	Same as No 0.
2 ENGLAND N.E.	------D°---------D°---------D°------	8 ENGLAND S.W	NW. winds, backing and freshening; squally, some rain.
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	------D°---------D°---------D°----
4 MIDLAND COUNTIES	Same as No 5.	10 IRELAND SOUTH	------D°---------D°---------D°----
5 ENGLAND SOUTH	W. to SW. winds, freshening; changeable, some rain.	WARNINGS	The N. cone was lowered last evening in districts 6 to 10 and part of 5.

Fredk Dangerfield, Lith. London, SW.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.60	50	49	ESE 4	o	4	Holyhead ...	29.45	47	46	NNE 3	c	3
Sumburgh Head	29.44	47	46	E 1	c	2	Valencia	29.69	49	47	NNW 5	bc	5
Stornoway ...	29.51	44	44	N 4	cp	3	Scilly	29.51	52	47	NNW 6	bc	5
Aberdeen ...	29.42	45	44	NW 2	o pm	1	Dungeness ...	29.48	49	49	W 5	r	3
Shields	29.43	44	42	E 0	o	2	London	29.48	48	46	SSW 3	or	*
Ardrossan ...	29.45	47	45	NW 2	bc	1	Yarmouth ...	29.50	47	45	SW 3	c	3
Malin Head ...	29.51	46	42	N 4	o	5	Jersey	29.51	48	48	SW 5	r	4
Mullaghmore ...	29.59	47	44	NNW 5	cp	4	Rochefort ...	29.78	58	52	WSW 4	r	3
Belmullet ...	29.66	49	45	N 3	c	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

Yesterday morning's reports showed that pressure remained highest (30·3 in: and upwards) over Southern Russia and lowest over Western Europe, the distribution in the latter region being cyclonic and very complex. S³ airs and rather mild fine weather prevailed over Central and Eastern Europe, and S³ to NW³ winds with mild rainy unsettled weather over the British Isles and France, while NE³ winds and cold wet weather prevailed over Spain. On the shores of the Baltic also the weather was cloudy and showery, while snow fell on the shores of the White Sea. The distribution of temperature was peculiar, the readings varying from between 60° and 67° over Sardinia, Italy and the southern parts of the Mediterranean, and from upwards of 50° over the Bay of Biscay to between 40° and 45° over the greater part of the British Isles, Scandinavia, the Baltic Germany and Austria. In a band lying from N to S. over the North Sea, the Netherlands, Central France and Central Spain, however, and also over Eastern Germany and Hungary, readings were below 40°, and at Clermont as well as over Northern Russia they were below the freezing point. The highest individual values reported were 67° at Tunis, Malta, and Palermo, 63° at Rome, Lesina, and Sanguinaire, the lowest 26° at Archangel, 28° at Haparanda, 30° at Clermont, and 31° at Uleaborg and Moscow.

During the day the weather remained dull and showery over North-western Europe and especially over the British Islands. The thermometer rose to about 60° in the southernt of France, but in the British Islands it did not rise above 50° except along the south and west coast.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail: l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 14th November. 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
				Wind.			Barometer.		Shade Temp.			Wind.				Shade Temp.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Direc.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Max.	Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCAND:NAVIA.	Haparanda ..	29.54	27	S	0	b	29.62	+ .13	27	26	− 7	N	2	b	*	[illegible]	?	—
	Hernösand ...	29.60	31	S	0	b	29.63	+ .03	27	26	− 8	NNE	2	bc	*	39	?	—
	Stockholm ...	29.43	44	N	2	r	29.44	− .14	42	41	− 2	ENE	4	o	*	46	43	0.08
	Wisby	29.42	45	N	4	r	29.43	− .12	45	42	0	W	4	c	*	50	43	0.97
	Bodö	29.58	41	WSW	4	o	29.60	+ .23	39	31	− 8	E	2	b	1	41	30	—
	Christiansund...	29.49	40	ESE	1	b	29.47	− .07	35	33	− 7	ESE	1	b	2	45	30	—
	Skudesnaes ...	29.40	48	ESE	2	r	29.42	− .03	41	38	− 8	NNE	2	o	3	?	?	—
	Christiania Fjord (Færder)	?	[illegible]	NE	4	o	29.46	− .14	37	36	− 5	N	4	o	1	?	37	—
	Skagen (The Scaw)	29.45	44	SE	2	o	29.36	− .21	41	39	− 4	E	3	o	2	45	41	—
	Fanö	29.24	43	SE	4	c	29.16	− .33	43	43	+ 6	WSW	2	c	*	45	37	0.16
BRITISH ISLANDS.	Sumburgh Head	29.25	46	SE	2	r	29.39	+ .10	46	45	+ 1	SE	1	o	3	48	43	0.15
	Stornoway ...	29.30	43	WNW	2	c	29.38	+ .11	40	40	− 1	SW	2	bcp	1	46	35	0.06
	Wick	29.26	40	NW	1	bc	29.39	+ .13	31	31	− 9	NW	1	b	1	47	31	0.05
	Nairn	29.28	42	WSW	1	bc	29.40	+ .11	37	36	− 4	S	0	b	1	46	34	0.05
	Aberdeen... ...	29.27	41	W	1	r	29.42	+ .12	40	39	0	WNW	1	c	1	43	39	0.07
	Leith ...	29.32	45	W	1	c	29.44	+ .11	38	37	− 3	W	1	bw	*	? 49	36	—
	Shields	29.32	43	W	2	c	29.41	+ .05	37	35	− 2	W	2	b	2	45	35	—
	Spurn Head ...	29.37	47	W	4	bc	29.43	+ .05	43	42	+ 2	NW	5	b	3	47	40	0.18
	York	29.38	46	W	2	b	29.46	+ .07	37	37	0	NW	1	b	*	47	36	0.08
	Loughborough	29.46	45	SE	3	c	29.48	+ .04	46	44	+ 5	WNW	3	o/c	*	48	41	0.01
	Ardrossan ...	29.36	47	WNW	3	o	29.46	+ .11	44	43	− 3	S	0	fd	0	50	42	0.10
	Malin Head ...	29.40	47	NW	4	o	29.44	+ .06	47	47	0	SW	3	od	3	48	45	0.04
	Mullaghmore .	29.52	48	WNW	5	o	29.50	+ .01	50	45	+ 3	SW	4	omr	3	50	46	0.06
	Belmullet ...	29.58	49	WNW	3	o	29.51	− .05	50	50	+ 3	WSW	3	om	*	50	46	0.15
	Donaghadee ...	29.46	45	NW	2	bc	29.50	+ .09	43	43	0	WNW	3	bc	1	49	42	0.01
	Barrow-in-Furness	29.42	46	NW	3	c	29.48	+ .07	46	45	+ 1	N	2	c	2	49	44	0.16
	Liverpool (Bidston)	29.46	47	W	5	c	29.50	+ .07	47	45	+ 2	W	4	o	4	49	44	0.12
	Holyhead ...	29.57	49	WNW	3	o	29.54	+ .08	48	47	+ 3	W	3	c	3	50	45	0.07
	Parsonstown ...	29.60	47	W	1	o	29.60	+ .04	49	48	+ 6	SW	1	o	*	49	42	0.01
	Valencia	29.72	49	NW	4	o	29.67	+ .01	51	50	+ 2	W	3	o	3	53	49	0.07
	Roche's Point...	29.66	50	NW	4	c	29.66	+ .04	48	47	0	W	3	c	3	54	46	—
	Pembroke ...	29.59	50	NW	4	c	29.61	+ .08	51	50	+ 4	WNW	4	og	3	51	47	0.02
	Scilly	29.66	52	NW	6	c	29.70	+ .11	52	50	+ 1	WNW	6	c	5	52	49	0.05
	Prawle Point ...	29.62	47	WNW	3	c	29.66	+ .08	49	48	+ 4	WNW	3	mr	3	52	48	0.03
	Jersey	29.61	51	WNW	4	o	29.67	+ .09	52	50	+ 4	WNW	3	om	3	53	47	0.05
	Hurst Castle ...	29.55	47	W	2	c	29.61	+ .08	48	48	+ 4	WNW	4	bc	1	50	48	0.03
	Dungeness ...	29.49	48	W	3	o	29.52	+ .06	46	46	+ 4	WNW	4	c	3	53	41	0.01
	London	29.50	45	WSW	3	ov	29.53	+ .06	46	44	+ 4	W	2	cgm	*	50	41	0.03
	Oxford	29.53	48	WNW	2	c	29.55	+ .06	45	43	+ 4	W	2	b	*	49	41	0.01
	Cambridge ...	29.48	45	W	1	o	29.48	+ .03	46	44	+ 4	W	1	c	*	48	40	—
	Yarmouth ...	29.42	46	WSW	3	bc	29.41	+ .03	44	43	+ 1	NW	3	bm	3	49	40	0.13
GERMANY.	Cuxhaven ...	29.45	43	S	3	r	29.31	− .22	44	43	+ 4	SW	3	bc	*	45	41	0.62
	Berlin	29.52	45	SW	1	r	29.48	− .20	43	42	+ 2	SW	1	o	*	46	?	*
	Wiesbaden ...	*	*	*	*	*	29.52	− .19	47	45	+ 6	SW	2	r	*	50	41	0.16
	Munich	29.69	33	SW	2	b	29.69	− .11	44	40	+ 14	SW	5	o	*	46	?	—
FRANCE & NETHERLANDS.	The Helder ...	29.37	47	WNW	4	r	29.31	+ .02	46	45	0	WNW	5	r	3	48	45	0.20
	Brussels	*	*	*	*	*	29.49	+ .04	45	44	− 1	WSW	4	c	*	48	44	0.08
	Cape Gris Nez...	29.48	49	W	5	c	29.49	+ .03	50	47	+ 5	W	8	o	6	50	45	—
	Paris	29.66	46	SSW	4	o	29.71	+ .13	47	45	+ 2	WSW	3	o	*	51	46	—
	Brest	29.71	50	NW	3	f	29.78	+ .12	49	49	− 1	NNW	4	f	4	52	46	0.04
	Lorient	29.72	52	NW	7	bc	29.84	+ .17	52	50	+ 2	NW	7	o	4	55	45	0.08
	Rochefort ...	29.82	55	WNW	5	o	29.88	+ .13	53	51	+ 2	NNW	3	o	2	55	46	0.08
	Belfort	29.71	47	S	2	o	29.71	− .03	46	45	+ 15	W	4	r	*	53	30	0.04
	Lyons	29.76	50	E	3	o	29.84	+ .04	43	42	+ 2	W	1	c	*	57	?	—
	Nice																	
PENINSULA.	Perpignan ...	29.82	46	NE	1	b	29.89	+ .11	52	46	+ 5	NW	4	c	*	55	43	—
	Biarritz	29.87	55	WSW	7	r	29.90	+ .11	54	48	+ 5	W	7	r	3	57	43	0.47
	Corunna	*	*	*	*	*	30.05	+ .17	51	51	+ 1	NNW	3	o	4	57	48	0.04
	Lisbon	29.99	54	NW	4	b	30.12	+ .26	52	50	+ 1	S	0	b	2	59	?	—

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday 14th November *1886.*

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

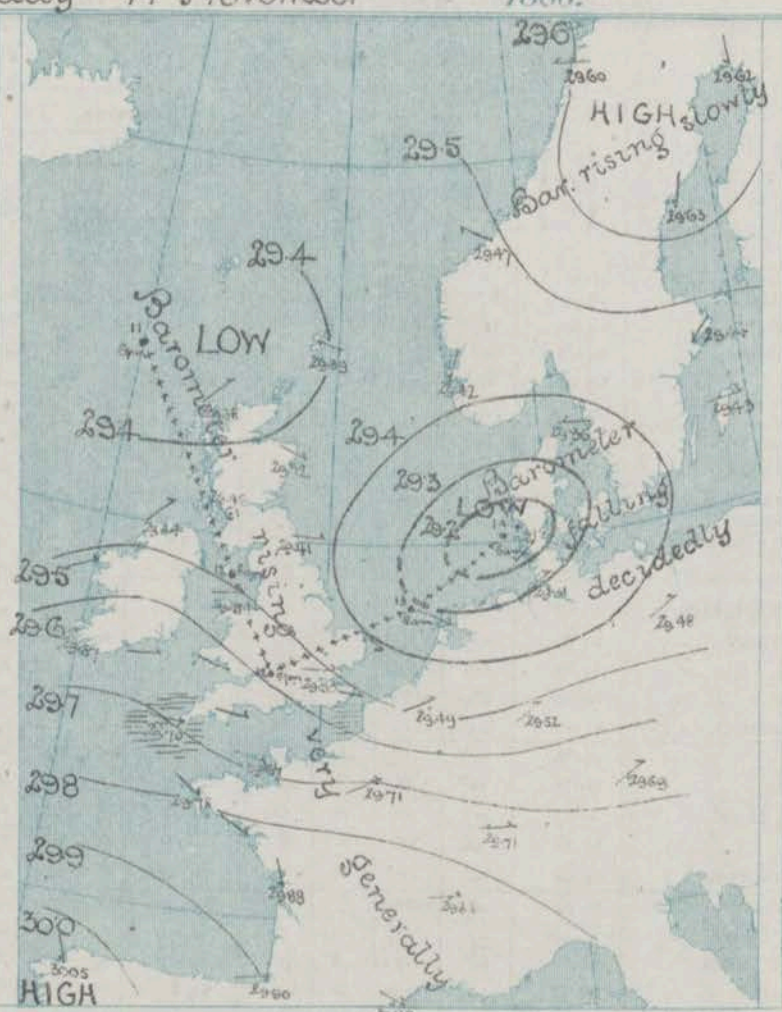
= forces above 10, = forces 8 to 10,
= forces 5 to 7, = force 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough, = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather *is shown by Letters of the Beaufort Scale.*

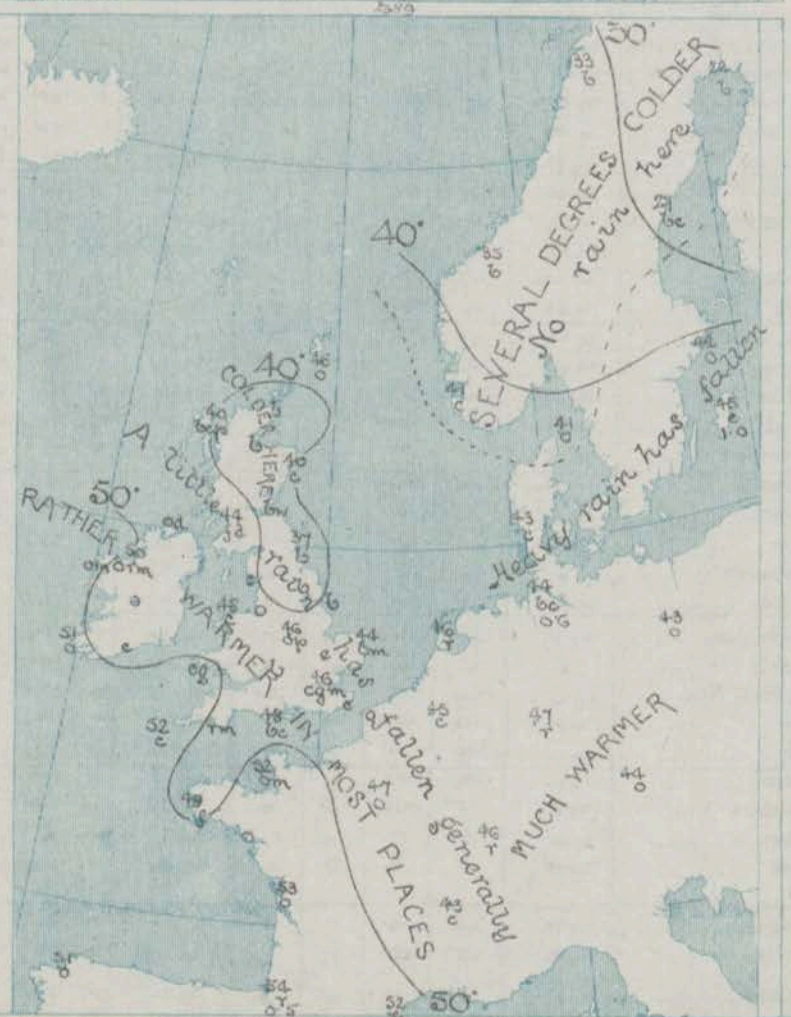
Rainfall *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	42·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE – The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·1 ins. and upwards, over Portugal.
Lowest, 29·2 — and less in a depression lying near Faröe, but relatively low 29·4 ins. and less over the north of Scotland.

TEMPERATURE — Highest, 54° at Biarritz and 52° at Scilly.
Lowest, 22° at Haparanda, 27° at Hernosand and 31° at Wick.

WIND — Light or moderate from E. or NE. over the greater part of Scandinavia.
W. Elsewhere, light or moderate in force generally but strong over the Bay of Biscay and at the mouth of the Channel.

WEATHER — Dull in the extreme west of our Islands and also at most of the Continental stations, with rain in many places.
Fair or fine over all the more eastern parts of the United Kingdom.
Rain fell generally yesterday, the largest amount being 0·6 in. at Cuxhaven.

SEA — Rather rough at Scilly, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the southern part of the German Ocean yesterday has moved away in an ENE direction, and now has its centre near Faröe. In the meantime the disturbance over the north of Scotland has gradually dispersed.

In the west of Ireland, however, a fresh fall of the barometer has apparently set in during the night and conditions are therefore still unsettled.

FORECASTS

for the 24 hours ending at NOON on 15th November. *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued.	6 SCOTLAND WEST	None issued
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Frank Dangerfield, Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.41	49	44	ESE	6	o	4
Sumburgh Head	29.22	47	45	SE	2	c	3
Stornoway ...	29.28	45	44	WNW	3	bp	2
Aberdeen ...	29.27	43	42	2	0	rw	1
Shields	29.33	45	44	W	2	od	2
Ardrossan ...	29.35	49	46	WNW	4	c	3
Malin Head ...	29.40	47	46	NW	3	o	5
Mullaghmore ...	29.52	48	47	WNW	5	cp	4
Belmullet ...	29.59	49	48	NW	3	op	*

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Holyhead ...	29.49	49	46	WNW	4	bcg	4
Valencia	29.70	50	49	WNW	4	op	4
Scilly	29.64	52	49	NW	5	c	4
Dungeness ...	29.47	51	49	W	3	c	3
London	29.49	50	45	W	1	c	*
Yarmouth ...	29.40	46	44	WNW	3	bc	3
Jersey	29.60	52	49	W	4	o	4
Rochefort ...	29.79	55	54	S	4	o	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am see pp 2 and 3)

Yesterday morning's reports showed that pressure varied from a little above 30·1 ins: over the Black Sea and Southern Russia to about 29·3 ins: over the north of Scotland. Between these two regions (ie the extreme southeast and the extreme north-east of Europe) there were three depressions – one over the Baltic between Carlscrona and Memel, another over the Gulf of Genoa, and a third (the deepest) off the south-east of England. Thus, while NW winds prevailed over the greater part of the United Kingdom, S (but varying) breezes were felt in most other places. The weather was cloudy and unsettled generally, and though rainy at times in almost all countries, was inclined to improve a little over the British Islands. Temperature (which had risen over Algeria) varied from 68° or more over the southern part of the Mediterranean, and from a little above 50° in the west and south of France to some degrees below the freezing point both in Northern Russia and Central France, but to only 40° over the western parts of Norway and Scotland. The highest individual readings were 69° at Brindisi, 68° at Algiers, 64° at Rome and Lesina, and 63° at Sanguinaire; the lowest 22° at Arcfangel, 31° at Belfort, and 34° at York.

During the day the small depression off the SE. of England moved E^ward, and a further but slight improvement occurred in the weather over the British Isles, but elsewhere conditions remained very unsettled as a whole. Over the north of Scandinavia the barometer began to rise rather decidedly, and a tendency to the formation of a new anticyclone in that region was observed.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Monday 15th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.75	18	Ze	0	b	29.80	+.18	15	15	-1	Ze	0	f	*	30	?	-
	Hernösand ...	29.69	32	NE	2	0	29.78	+.15	30	29	+3	NNE	2	bf	*	34	27	-
	Stockholm ...	29.81	43	NE	4	0	29.60	+.16	41	40	-1	NE	2	0	*	46	41	0.08
	Wisby	29.46	43	SW	4	c	29.46	+.03	43	42	-2	SE	4	0	*	46	41	-
	Bodö	29.56	35	ENE	4	b	29.60	.00	36	31	+3	ENE	4	b	2	36	32	-
	Christiansund...	29.42	35	ESE	1	b	29.52	+.05	37	34	+2	ESE	1	b	2	39	32	-
	Skudesnaes ...	29.49	46	Ze	0	c	29.58	+.16	45	42	+4	SSE	6	0	4	48	41	-
	Christiania Fjord (Feerder)	29.42	35	NNE	6	b	29.63	+.17	39	37	+2	NNE	2	0	1	?	?	0.55
	Skagen (The Scaw)	29.44	42	E	2	0	29.58	+.22	42	40	+1	NE	4	be	1	43	41	-
	Fanö	29.41	41	NW	1	c	29.56	+.40	38	38	-5	N	1	f	*	48	36	-
BRITISH ISLANDS.	Sumburgh Head	29.38	47	SE	2	0	29.26	-.13	47	47	+1	SE	4	r	4	48	45	0.03
	Stornoway ...	29.20	49	S	5	d	29.15	-.23	48	48	+8	S	4	d	5	51	39	0.11
	Wick	29.29	45	S	5	0	29.22	-.17	48	47	+17	S	3	bc	1	50	31	0.02
	Nairn	29.30	43	Ze	0	r	29.20	-.20	50	47	+13	S	1	c	1	50	34	0.06
	Aberdeen... ...	29.41	41	SW	2	0	29.31	-.11	49	48	+9	S	3	op	1	49	38	0.11
	Leith ...	29.43	45	W	1	0	29.28	-.16	49	48	+11	S	1	c	*	50	36	0.10
	Shields	29.30	43	WNW	1	r	29.39	-.02	48	47	+11	S	2	0	2	48	35	0.02
	Spurn Head ...	29.53	46	WSW	3	b	29.50	+.07	47	47	+4	S	3	cm	3	47	42	0.02
	York	29.52	43	NW	1	bc	29.46	.00	46	46	+9	ESE	1	m	*	49	37	0.15
	Loughborough	29.55	45	SE	1	0	29.51	+.05	49	48	+3	SSW	3	0	*	50	44	0.01
	Ardrossan ...	29.38	49	SSE	4	r	29.22	-.24	51	51	+7	SE	3	r	2	51	43	0.34
	Malin Head ...	29.32	50	SSW	3	od	29.09	-.35	50	50	+3	S	3	or	2	51	47	0.76
	Mullaghmore .	29.38	51	SW	4	r	29.10	-.40	52	50	+2	SSW	5	ogr	3	53	48	0.59
	Belmullet ...	29.50	51	WSW	3	0	29.08	-.43	53	50	0	NW	2	r	*	52	49	1.00
	Donaghadee ...	29.43	49	SW	3	r	29.23	-.27	51	51	+8	SW	5	0	3	51	42	0.21
	Barrow-in-Furness	29.50	49	SSW	2	r	29.37	-.11	48	48	+2	SE	4	op	*	50	45	0.29
	Liverpool (Bidston)	29.53	47	S	1	0	29.40	-.10	49	48	+2	SE	3	0	3	50	47	0.06
	Holyhead ...	29.52	42	SW	3	od	29.33	-.21	51	51	+3	S	5	ogm	4	52	48	0.17
	Parsonstown ...	29.49	51	SW	1	0	29.16	-.44	52	50	+3	SSW	2	c	*	52	47	0.24
	Valencia	29.50	53	SW	6	opm	29.16	-.51	51	50	0	WSW	5	c	4	54	51	0.60
	Roche's Point...	29.57	52	WSW	4	r	29.22	-.44	52	52	+4	SW	6	c	5	55	47	0.35
	Pembroke ...	29.59	52	WNW	4	0	29.35	-.26	52	52	+1	SSE	6	r	5	53	50	0.30
	Scilly	29.68	52	WSW	6	cmu	29.42	-.28	54	53	+2	SW	6	0	6	54	50	0.08
	Prawle Point ...	29.68	51	WNW	5	c	29.53	-.13	53	51	+4	SW	5	cu	5	53	47	0.03
	Jersey	29.72	52	W	4	c	29.64	-.03	52	52	0	SSW	4	og	3	54	50	0.06
	Hurst Castle ...	29.65	52	WNW	4	c	29.58	-.03	52	51	+4	SW	5	odm	2	53	48	0.02
	Dungeness ...	29.59	48	NW	3	c	29.60	+.08	51	51	+5	WSW	3	bc	3	55	46	-
	London	29.60	50	WNW	2	bc	29.60	+.07	47	46	+1	S	2	c	*	52	45	-
	Oxford	29.61	49	W	1	0	29.55	.00	47	46	+2	S	2	c	*	51	44	-
	Cambridge ...	29.57	45	SW	1	c	29.57	+.09	48	47	+2	S	1	0	*	52	38	-
GERMANY	Yarmouth ...	29.51	44	NW	2	bc	29.57	+.16	47	46	+3	SW	2	om	4	47	40	0.02
	Cuxhaven ...	29.32	42	SW	2	b	? 29.46	+.15	41	41	-3	Z	0	f	*	?	40	-
	Berlin	29.42	43	SW	1	0	29.56	+.08	43	42	0	W	2	0	*	50	43	*
	Wiesbaden ...	*	*	*	*	*	29.74	+.22	41	40	-6	W	1	0	*	50	36	0.04
	Munich	29.65	41	W	2	0	29.81	+.12	39	38	-5	SW	5	r	*	48	37	0.28
FRANCE & NETHERLANDS.	The Helder ...	29.47	49	WNW	5	r	29.62	+.31	46	45	0	WSW	1	bc	1	50	46	0.39
	Brussels	*	*	*	*	*	29.69	+.18	48	48	+3	SSW	3	r	*	48	41	0.22
	Cape Gris Nez...	29.59	48	W	7	0	29.61	+.12	51	49	+1	WSW	4	c	3	54	?	0.04
	Paris	29.73	49	WSW	3	c	29.80	+.09	48	46	+1	SSW	4	0	*	56	47	0.08
	Brest	29.80	52	NW	4	f	29.62	-.16	53	53	+4	SW	7	0	5	54	48	-
	Lorient	29.84	54	NNW	5	0	29.72	-.12	55	53	+3	W	8	0	5	55	45	0.04
	Rochefort ...	29.95	54	WNW	7	r	29.90	+.02	55	54	+2	WSW	5	r	2	59	45	0.24
	Belfort	29.77	46	?	?	r	29.88	+.17	47	46	+1	SW	3	r	*	48	42	0.08
	Lyons														*			
	Nice...	29.75	50	E	1	b	29.80		46	44		ESE	1	b	2	59	43	-
PENINSULA.	Perpignan ...	29.92	57	NW	5	c	29.97	+.08	53	47	+1	NW	4	bc	*	65	47	-
	Biarritz	30.03	57	W	7	0	29.93	+.05	52	49	-2	S	4	b	2	59	48	-
	Corunna	*	*	*	*	*												
	Lisbon	30.15	57	W	4	b	30.10	-.02	53	52	+1	SSW	3	0	2	59	?	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday. 15th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

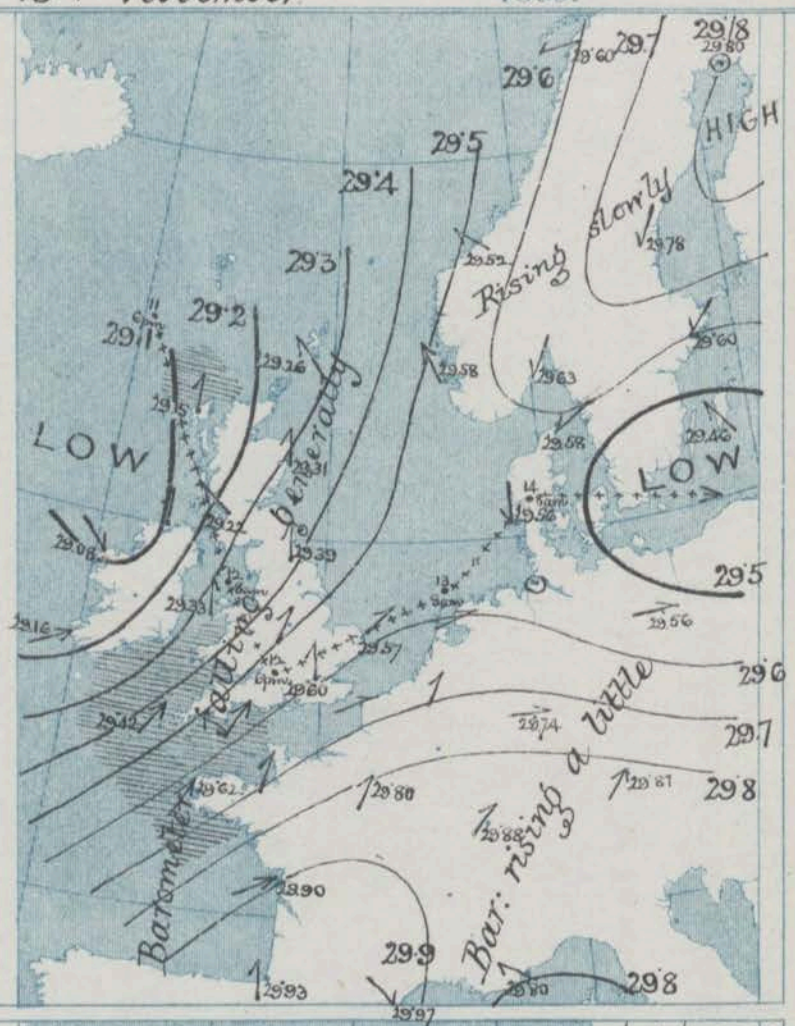
⟶ = forces above 10, ⟶ = forces 8 to 10;
⟶ = forces 5 to 7; ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather is shown by Letters of the Beaufort Scale.

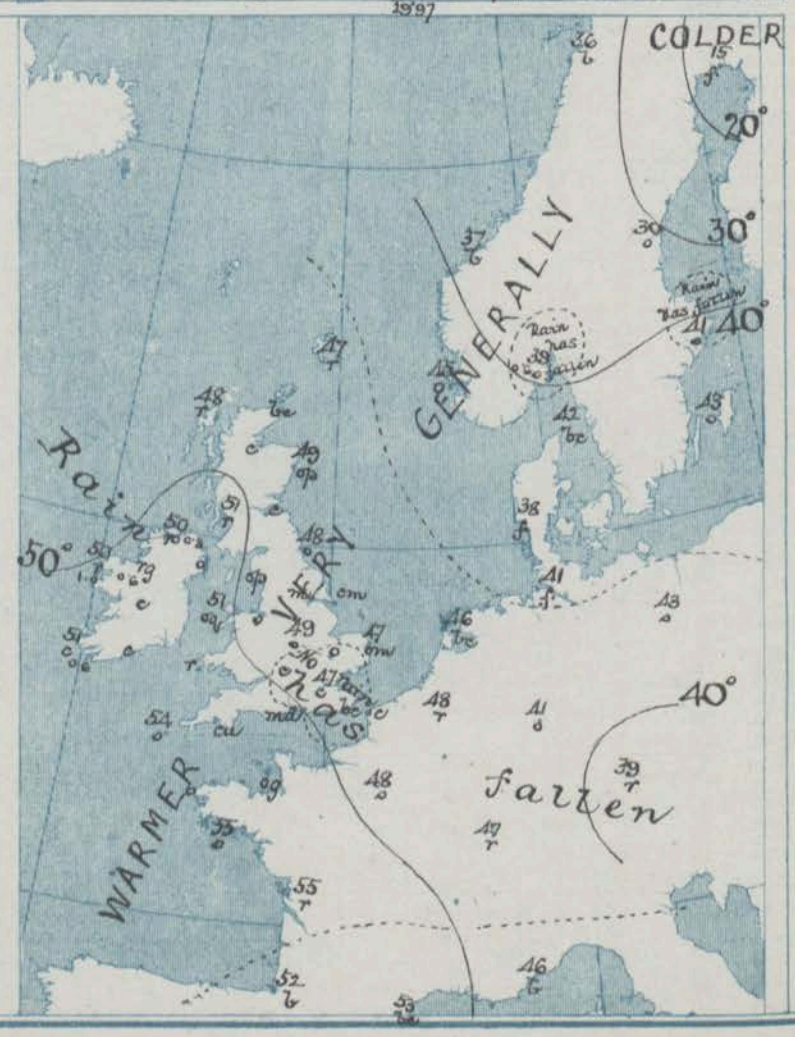
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE – The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·1 ins: at Lisbon, but relatively high 29·8 ins: in the north of Sweden
Lowest, 29·1 ins: and less, off our extreme northwest coasts; relatively low (29·5 ins: and less) over the south of Sweden

TEMPERATURE — Highest, 55° at Lorient and Rochefort, and 54° at Scilly.
Lowest, 15° at Haparanda, 30° at Hernosand, 39° at Munich, and 46° at York.

WIND — Moderate S. or SE. on our northern coasts, fresh or strong SW. in the south and southwest.
Light NE. or N. over Denmark and the south of Sweden.
Moderate W. or SW. in Germany and the East of France.

WEATHER — Fine in the south of France, foggy in the south of Denmark.
Cloudy or overcast elsewhere, with rain at several of our western and northern stations.
Rain fell yesterday in all but the south-eastern districts, the largest amounts being 1·0 in: at Belmullet, 0·8 in: at Malin Head and 0·6 in: at Mullaghmore and Valencia.

SEA — Rough at Scilly, and rather rough on our south-west coasts generally, as well as at Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay near Tornö yesterday has moved away to the Baltic, but in the course of the night a new disturbance has appeared off our extreme northwest coasts.

This disturbance seems likely to move northwards, but over the south of Ireland there are indications of a subsidiary depression. The latter system will probably take a more easterly course, and occasion an extension of rainy weather to our Eastern stations, with an increase of wind over the Channel.

FORECASTS

for the 24 hours ending at NOON on 16th Nov. *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. or SE. winds, freshening; cloudy, some rain.	* 6 SCOTLAND WEST	S. to W. winds, freshening; dull, rainy.
1 SCOTLAND EAST	------ D° ------ D° ------ D° ------	* 7 ENGLAND N. W.	------ D° ------ D° ------ D° ------
2 ENGLAND N. E.	S. winds, moderate; cloudy, some rain.	* 8 ENGLAND S. W	SW. to W. winds, strong, perhaps a gale; squally and rainy to fair.
3 ENGLAND EAST	Same as No 5	* 9 IRELAND NORTH	SW. to NW. winds, fresh or strong; squally, showery
4 MIDLAND COUNTIES	Same as No 2	* 10 IRELAND SOUTH	------ D° ------ D° ------ D° ------
5 ENGLAND SOUTH	S. winds, freshening considerably; fair to dull and rainy.	WARNINGS	The south cone was hoisted last evening in districts 6 to 10. An asterisk is inserted against those districts in which the signals are now flying.

Frieth Dangerfield, Lith. London, W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.45	48	45	NNE 2	c	2	Holyhead ...						
Sumburgh Head							Valencia						
Stornoway ...							Scilly						
Aberdeen ...							Dungeness ...						
Shields							London						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey						
Mullaghmore ...							Rochefort ...	29.90	57	55	NW 7	r	2
Belmullet ...													

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday showed that an unusually large area of low-pressure covered the whole of Western, Southern and Central Europe, its central portion covering the North Sea and Baltic. Within its limits were 3 distinct minima — one over the Baltic, another over the North Sea and a third over Northern Italy and the northern parts of the Adriatic and Gulf of Genoa. Neither of these systems was deep, and the winds reported were consequently moderate, though very variable in direction. The weather was cloudy very generally, and showery at times over almost all regions. Over the British Islands, however, the rain had ceased and the appearance of the sky improved temporarily. Temperature had fallen decidedly in the north, but had risen over Germany, France, Ireland and England, and the morning readings varied from between 66° and 72° over the southern parts of the Mediterranean and from upwards of 50° over the Bay of Biscay and on the extreme south-west coasts of the British Islands, to much below the freezing point over Lapland and Finland. The highest individual readings reported were 72° at Malta, 66° at Palermo, Cagliari and Lesina, and 65° at Brindisi; the lowest 22° at Hernosand and 31° (locally) at Wick.

During the day the barometer again began to fall in the north-west and west of the British Islands and the wind there backed to SW, with rain and a threatening sky. The rain was heavy in several places and spread to nearly all parts of the Kingdom later. Temperature rose in Scotland, but the thermometer did not reach 60° at any of our stations excepting Perpignan.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 7TH TO THE 13TH NOVEMBER 1886.

The weather during this week has been of an exceedingly wet and changeable character; the winds have varied greatly, both in direction and force, but the depressions though numerous were not deep. Their movements, however, have been extremely erratic; the first system (which was developed over our north midland counties on the 6th) moved steadily to the north-eastward and disappeared over the south of Scandinavia on the following day. The next appeared in the north-west on the 8th (Monday), and, as it passed off, a subsidiary hollow, noticed first over the Irish Sea, developed into an independent and well-formed system which moved southwards and reached the Bristol Channel and its neighbourhood on the 9th. After this the system continued its movement southward to the Bay of Biscay and north west of France, where it became very complex (showing 3 minima on the 9th), and, was soon supplemented by a new disturbance which came over the North Sea from Germany and dispersed there during the 10th. This left the south-westerly system still in force and the weather began to clear over England; but in the following night (11–12) a new minimum was developed over the south-east of England and moved northwards up our east coast, while that in the south-west (together with yet another system which reached the north-west of Scotland at night), moved northwards. Thus we have had a constant series of bad, wet, windy weather, with a great conflict between wind currents from the southward with others from the northward. At the close of the week matters seemed to be improving somewhat, for, while the North Sea depression was travelling away to the northward, that noticed in the north-west and west on the 12th was passing eastwards towards Denmark, while that in the extreme south-west had filled up. NW'ly winds and better weather were, therefore, becoming general over the United Kingdom, and the barometer was rising over Ireland and England.

ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that:—

(1) On the 13th inst. in Lat: 40° N, Long: 72° W the barometer at 3 pm fell to 29.2 ins during a strong gale in which the wind shifted from E to NW.
(2) On the same day in Lat: 42° N, Long: 69° W - - 8 - - 29.4 ins - - fresh gale - - - veered - S to W.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* **AN ASTERISK** is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 16th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA	Haparanda ..	29.93	21	2	0	f	29.95	+.15	28	23	+ 8	NE	2	0	*	23	12	-
	Hernösand ...	29.88	31	2	0	0	29.92	+.14	32	32	+ 2	2	0	0	*	34	28	-
	Stockholm ...	29.75	41	NE	4	h	29.76	+.16	42	41	+ 1	ENE	2	f	*	46	39	0.04
	Wisby	29.65	44	SE	2	0	29.78	+.29	42	41	- 1	E	4	0	*	48	39	-
	Bodö	29.66	36	ENE	4	b	29.59	-.03	34	29	- 2	ENE	6	b	3	36	30	-
	Christiansund...	29.54	41	ESE	2	b	29.46	-.06	40	36	+ 3	E	2	b	2	46	37	-
	Skudesnaes ...	29.62	45	SE	8	bc	29.45	-.13	46	43	+ 1	SE	8	h	5	?	?	-
	Christiania Fjord (Farder)	29.75	40	2	0	0	29.76	+.13	42	41	+ 3	ENE	6	0	2	?	39	-
	Skagen (The Scaw)	29.69	43	SE	1	0	29.72	+.14	45	43	+ 3	S	2	0	2	?	41	-
	Fanö	29.69	39	SSE	4	f	29.62	+.06	40	40	+ 2	SE	6	h	*	41	36	-
BRITISH ISLANDS	Sumburgh Head	29.15	48	SSE	6	h	29.15	-.11	43	42	- 4	W	2	c	4	50	42	0.25
	Stornoway ...	28.91	50	SSE	4	c	29.29	+.14	36	35	- 12	SW	4	bpqrs	3	51	34	0.40
	Wick	29.02	50	S	7	c	29.26	+.04	36	35	- 12	SW	2	bc	1	? 50	33	0.20
	Nairn	29.10	51	SW		bc	29.31	+.11	38	36	- 12	WSW	1	c	1	53	36	0.01
	Aberdeen... ...	29.14	50	S	4	op	29.32	+.01	41	39	- 8	WNW	1	c	2	50	40	0.22
	Leith ...	29.14	50	SW	1	0	29.37	+.09	40	38	- 9	W	1	bm	*	53	39	0.02
	Shields	29.26	51	S	4	op	29.40	+.01	40	38	- 8	W	3	b	2	51	38	0.01
	Spurn Head ..	29.36	51	SSE	5	0	29.49	-.01	46	45	- 1	WSW	3	c	3	51	45	0.03
	York	29.34	51	S	3	0	29.49	+.03	41	39	- 5	W	1	b	*	51	40	0.04
	Loughborough	29.39	52	SSW	3	bc	29.53	+.02	41	40	- 8	WNW	2	bc	*	54	41	0.02
	Ardrossan ...	29.10	51	SSW	5	h	29.42	+.20	40	38	- 11	NW	3	b	2	52	38	0.22
	Malin Head ...	29.08	47	W	4	oqjp	29.41	+.32	39	37	- 11	SSW	3	c	3	52	37	0.18
	Mullaghmore .	29.22	45	WNW	6	cqjp	29.46	+.36	38	36	- 14	SW	4	bc	3	52	37	0.34
	Belmullet ...	29.32	47	NW	3	0	29.47	+.39	42	40	- 8	W	4	c	*	50	38	0.59
	Donaghadee ...	29.18	48	W	2	0	29.49	+.26	35	34	- 16	W	3	b	1	53	34	0.25
	Barrow-in-Furness	29.25	50	SSW	5	0	29.44	+.07	44	41	- 4	SE	3	bc	6	51	42	0.06
	Liverpool (Bidston)	29.29	50	S	3	bc	29.52	+.12	42	40	- 7	WSW	3	bc	4	54	40	0.18
	Holyhead ...	29.25	52	SW	5	oqm	29.55	+.22	42	40	- 9	W	4	bc	3	53	42	0.10
	Parsonstown ...	29.36	44	NW	2	c	29.58	+.42	35	34	- 17	S	1	bc	*	52	33	0.04
	Valencia	29.46	45	WNW	4	bcqjp	29.61	+.45	44	42	- 7	WSW	2	c	3	52	41	0.08
	Roche's Point...	29.42	46	WNW	4	b	29.62	+.40	40	38	- 12	W	3	b	3	54	39	0.02
	Pembroke ...	29.39	52	SW	6	c	29.61	+.26	46	44	- 6	WNW	4	c	4	53	45	0.07
	Scilly	29.45	52	WSW	5	c	29.64	+.22	47	44	- 7	WNW	4	cp	6	55	45	0.06
	Prawle Point ...	29.48	53	SW	5	c	29.65	+.12	41	40	- 12	WNW	3	bc	3	54	38	0.17
	Jersey	29.57	52	W	4	0	29.65	+.01	48	45	- 4	NW	3	bom	3	57	47	0.15
	Hurst Castle ...	29.50	53	SW	4	h	29.61	+.03	44	43	- 8	WNW	4	b	2	54	43	0.28
	Dungeness ...	29.53	54	SSW	5	h	29.53	-.07	53	52	+ 2	WSW	4	h	4	55	50	0.31
	London	29.49	53	SSW	2	0	29.55	-.05	47	45	0	W	2	0	*	55	47	0.09
	Oxford	29.47	49	SSE	3	bc	29.58	+.03	42	40	- 5	WNW	2	b	*	54	42	0.09
	Cambridge ...	29.45	51	S	2	h	29.54	-.03	47	46	- 1	W	1	op	*	54	46	0.12
	Yarmouth ...	29.51	51	SSW	3	c	29.50	-.07	49	49	+ 2	SSW	3	qfa	3	52	45	0.05
GERMANY	Cuxhaven ...	29.70	42	S	1	f	29.66	+.20	46	45	+ 5	SSE	3	h	*	46	?	0.08
	Berlin	29.76	44	WNW	1	0	29.87	+.31	39	39	- 4	SE	1	f	*	48	39	*
	Wiesbaden ...	*	*	*	*	*	29.78	+.04	46	45	+ 5	2	0	0	*	48	37	0.08
	Munich	29.89	45	W	5	0	29.92	+.11	34	34	- 5	SE	3	b	*	46	34	0.20
FRANCE & NETHERLANDS	The Helder ...	29.62	48	SSE	1	h	29.56	-.06	50	50	+ 4	SSW	3	h	3	52	46	0.08
	Brussels	*	*	*	*	*	29.65	-.02	51	50	+ 3	SSW	3	0	*	52	?	0.01
	Cape Gris Nez...	29.56	50	SSW	7	0	29.56	-.05	50	49	- 1	SSW	7	h	5	54	48	0.28
	Paris	29.74	53	S	4	0	29.70	-.10	48	47	0	S	3	h	*	54	48	-
	Brest	29.59	53	NW	5	h	29.69	+.07	49	44	+ 4	NNW	4	b	4	55	48	0.12
	Lorient	29.63	52	WSW	4	0	29.71	-.01	50	47	- 5	N	5	bc	4	57	46	0.47
	Rochefort ...	29.84	57	SSW	5	c	29.81	-.09	53	52	- 2	WNW	8	h	2	59	48	-
	Belfort	29.93	46	S	3	0	29.84	-.04	46	44	- 1	S	1	b	*	48	42	-
	Lyons	29.91	48	SE	1	b	29.87	.	41	40		E	1	b	*	55	39	-
	Nice...	29.88	51	E	1	0	29.97	+.17	46	44	0	E	3	b	2	61	45	-
	Perpignan ...	29.87	50	2	0	b	29.82	-.15	47	47	- 6	N	1	0	*	61	46	-
	Biarritz	29.84	55	SW	4	bc	29.82	-.11	55	53	+ 3	WNW	8	h	2	61	46	0.08
PENINSULA	Corunna	*	*	*	*	*												
	Lisbon	29.94	55	W	3	h	30.04	-.06	51	49	- 2	N	4	b	2	59	50	0.35

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 16th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

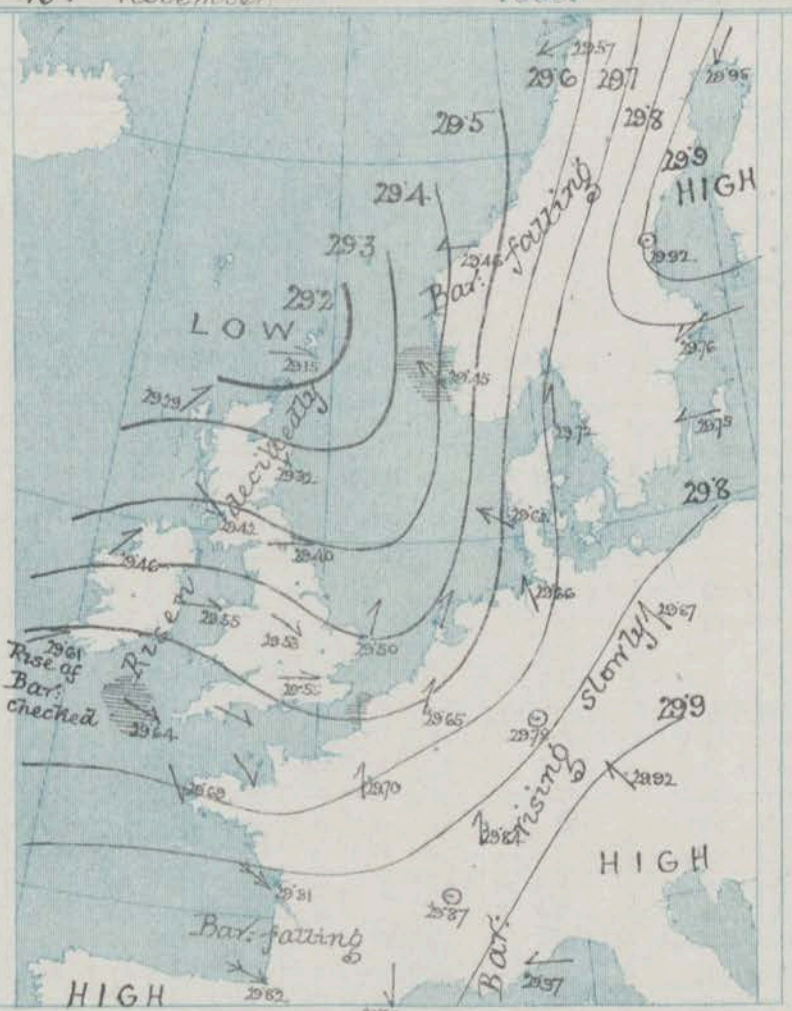
→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shown thus*
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

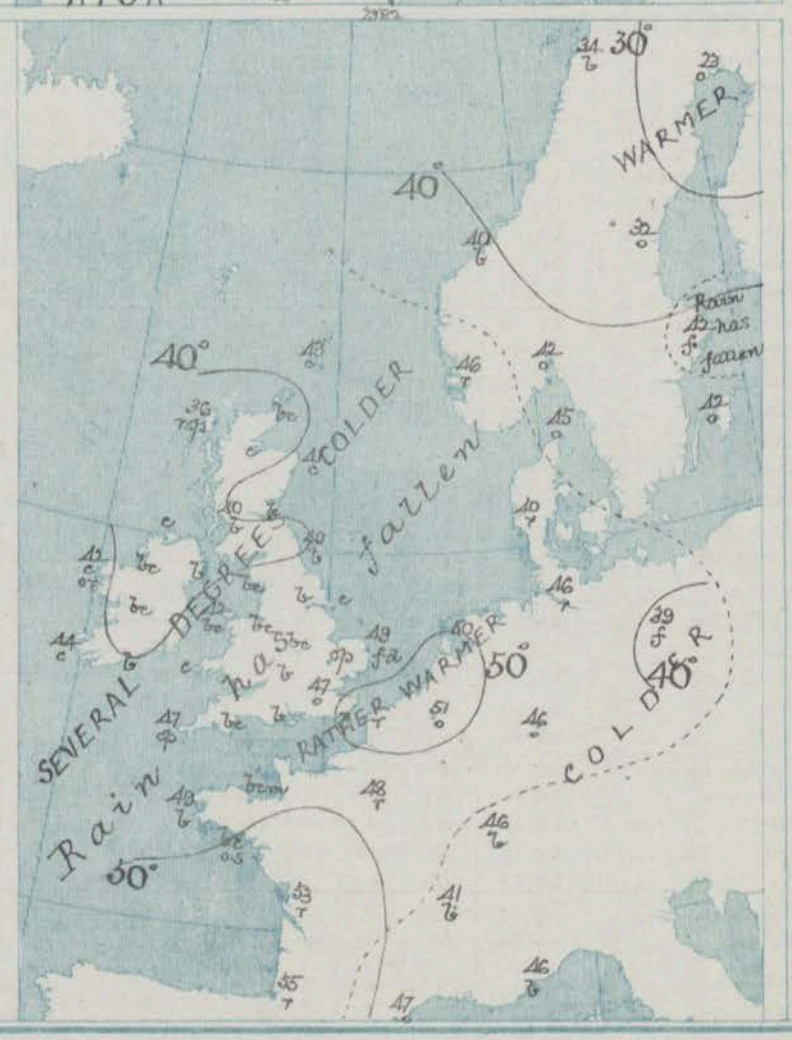
Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*
Weather — *is shown by Letters of the Beaufort Scale.*
Rainfall — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	At 8 a.m. Wet	RAINFALL. (Inches)
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·0 ins: and upwards over Portugal, but relatively high 29·9 ins: and upwards over the Gulf of Bothnia. Lowest, 29·2 ins: and less off the extreme north of Scotland.

TEMPERATURE — Highest, 55° at Biarritz, and 53° at Dungeness and Rochefort. Lowest, 23° at Haparanda, 32° at Hernösand, 34° at Bodö and Munich, and 35° at Donaghadee and Parsonstown.

WIND — Moderate SW^{ly} on the west coast of Ireland and Scotland. Light W^{ly} over the remainder of our Islands. W^{ly} gales over the southern part of the Bay of Biscay; strong SE^{ly} winds on the eastern shores of the North Sea.

WEATHER — Fair over the greater part of our Islands, but showery at some of our southern stations. Raining in Denmark, the south of Norway, and the southwest of France. Rain fell generally yesterday, but the amounts were, as a rule, not heavy.

SEA — Rather rough at Scilly, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our extreme northwest coasts yesterday morning has passed away to the northward of Scotland, while the subsidiary disturbances which subsequently appeared over Ireland and England have travelled E^{ly} to the North Sea, and the barometer has consequently risen over the whole of our Islands.

At Valencia, however, the rise has apparently ceased, and as the winds on our extreme western coasts are backing, there are indications of the advance of a new depression from the westward. The approaching depression is at present too distant to enable us to judge of its size or depth.

FORECASTS

For the 24 hours ending at NOON on 17th November 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind backing to SW. or S and freshening; fair to unsettled and some rain.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	------ D° ------ D° ------ D° ------	7 ENGLAND N.W.	Same as No 0.
2 ENGLAND N.E.	------ D° ------ D° ------ D° ------	8 ENGLAND S.W	Same as No 5
3 ENGLAND EAST	Same as No 5	9 IRELAND NORTH	SW^{ly} to S^{ly} winds, increasing in force; unsettled, some rain.
4 MIDLAND COUNTIES	Same as No 5	10 IRELAND SOUTH	D° D° D°
5 ENGLAND SOUTH	W^{ly} winds, moderate, to SW^{ly}, fresh or strong; fair to unsettled and rainy.	WARNINGS	The south cone was lowered yesterday in districts 6 to 10.

Fred^{k} Dangerfield, Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.60	45	41	SE 6	c	4	Holyhead ...	29.24	52	50	SSW 5	c y pm	4
Sumburgh Head	29.23	48	48	SSE 5	h	4	Valencia	29.37	49	49	NW 5	o q p	5
Stornoway ...	29.02	48	48	ESE 4	h	4	Scilly	29.42	54	52	SSW 6	o	5
Aberdeen ...	29.22	50	49	S 4	h	2	Dungeness ...	29.56	54	53	SSW 5	o	4
Shields	29.82	51	49	S 3	o	2	London	29.55	55	52	S 4	o	*
Ardrossan ...	29.10	52	51	SSE 5	o	4	Yarmouth ...	29.55	50	49	SSW 4	c	4
Malin Head ...	28.99	49	46	WSW 4	o	4	Jersey	29.56	56	55	SSW 4	o	4
Mullaghmore ...	29.10	49	48	W 5	h	4	Rochefort ...	29.87	58	55	WSW 5	o	2
Belmullet ...	29.19	47	45	NNW 3	c	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

Yesterday morning's reports showed that pressure varied from 30 ins: and upwards over Spain, and from a little above 29.7 ins: over Finland to rather below 29.1 ins: in the extreme west of Ireland. A new and large (but not deep) depression had reached the latter region from the Atlantic, while a vast "hollow" extended eastwards from the British Isles over the North Sea, Baltic, North Germany, Austria, and Western Russia. In the "hollow" were two shallow minima – one over the Baltic and the other off the south coast of France – the third one noticed on Sunday having disappeared. SW and S winds prevailed over the whole of Western Europe with dull, showery, mild weather, while E breezes were felt over Finland and Lapland, and light NW to SW breezes in the south of France. Temperature had risen over the greater part of Europe, but had fallen again in the far north, as well as over the Mediterranean. Speaking generally the readings varied from between 60° and 66° over the greater part of the Mediterranean, and from between 50° and 54° in the western part of France and the British Isles to between 10° and 17° below the freezing point over Finland. The highest individual readings were 67° at Malta, 64° at Brindisi, 61° at Cagliari and Sanguinaire, and 59° at Lesina; the lowest were 15° at Haparanda, 22° at Kleaborg, 30° at Hernösand and 31° at Archangel.

During the day the depression in the west moved north-eastwards and underwent some modification in shape. The S wind and warmer air spread northwards to the northern part of Scandinavia, and rain fell more or less in all districts. The thermometer rose to between 59° and 61° in the west and south of France, and to between 50° and 57° over the British Isles, but did not reach 50° at the German stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 17th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.91	36	S	2	r	29.83	− .12	36	36	+ 13	S	4	r	*	37	19	0.12
	Hernösand ...	29.86	36	Z	0	r	29.73	− .19	40	40	+ 8	S	4	o	*	?	30	0.08
	Stockholm ...	29.89	42	SSE	2	o	29.74	− .02	43	42	+ 1	S	4	o	*	46	41	0.04
	Wisby	29.83	41	S	2	b	29.71	− .04	42	41	0	SE	4	bc	*	46	37	—
	Bodö	29.56	36	ENE	6	b	29.45	− .12	41	36	+ 7	ENE	4	bc	2	41	34	—
	Christiansund...	29.35	49	ESE	3	c	29.29	− .17	43	40	+ 3	Z	0	c	1	?	?	—
	Skudesnaes ...	29.41	48	SSE	6	r	29.36	− .09	42	40	− 4	SW	7	r	5	48	?	—
	Christiania Fjord (Færder)	29.60	43	SE	8	r	29.40	− .36	45	44	+ 3	WSW	6	o	4	46	?	0.67
	Skagen (The Scaw)	29.52	45	S	7	o	29.47	− .25	44	43	− 1	W	1	o	1	46	43	0.55
	Fanö	29.53	47	SSE	6	o	29.58	− .04	43	41	+ 3	WSW	3	bc	*	48	39	0.32
BRITISH ISLANDS.	Sumburgh Head	29.26	41	W	2	c	29.11	− .04	39	37	− 4	SSE	1	r	3	45	36	0.11
	Stornoway ...	29.22	37	SW	4	bp	29.23	− .06	36	35	0	W	4	crsp	3	41	30	0.21
	Wick	29.28	39	SW	2	bc	29.20	− .06	35	34	− 1	NW	3	bc	1	43	35	0.01
	Nairn	29.30	38	SW	2	c	29.24	− .07	38	36	0	W	3	bc	2	44	32	0.06
	Aberdeen... ...	29.37	38	WSW	2	b	29.26	− .06	36	35	− 5	WSW	1	b	1	44	35	—
	Leith ...	29.41	40	W	1	b	29.32	− .05	39	38	− 1	W	2	bm	*	45	33	0.01
	Shields	29.50	40	SW	2	b	29.38	− .02	39	38	− 1	SW	1	o	2	45	36	—
	Spurn Head ...	29.60	42	W	3	b	29.43	− .06	42	41	− 4	SSW	3	c	2	46	38	—
	York	29.57	40	W	1	b	29.41	− .08	39	38	− 2	S	1	f	*	49	35	—
	Loughborough	29.63	38	SW	2	b	29.40	− .13	42	41	+ 1	ESE	2	r	*	49	38	0.05
	Ardrossan ...	29.39	45	WSW	5	c	29.34	− .08	43	41	+ 3	NW	3	bqp	2	52	38	0.03
	Malin Head ...	29.36	41	W	3	bcpq	29.39	− .02	44	40	+ 5	WNW	3	bp	3	49	38	0.22
	Mullaghmore .	29.44	43	SW	5	cp	29.44	− .02	45	42	+ 7	NNW	5	c	4	45	37	0.16
	Belmullet ...	29.45	44	W	3	c	29.51	+ .04	45	43	+ 3	WNW	3	bc	*	46	41	0.17
	Donaghadee ...	29.47	40	W	4	b	29.40	− .09	40	40	+ 5	W	2	bc	1	46	?35	0.03
	Barrow-in-Furness	29.50	45	SW	5	r	29.37	− .07	43	42	− 1	S	3	r	5	47	42	0.31
	Liverpool (Bidston)	29.57	41	S	3	b	29.36	− .16	41	41	− 1	ESE	2	r	2	46	39	0.06
	Holyhead ...	29.54	46	SW	4	c	29.35	− .20	44	44	+ 2	NE	3	c	3	48	42	0.36
	Parsonstown ...	29.55	40	Z	0	bc	29.54	− .04	42	41	+ 7	Z	0	c	*	46	34	0.02
	Valencia	29.60	48	W	3	cg	29.63	+ .02	49	48	+ 5	NW	4	c	4	53	?44	0.16
	Roche's Point...	29.62	46	WSW	3	bc	29.55	− .07	48	47	+ 8	NW	4	b	2	50	40	0.11
	Pembroke ...	29.60	46	SW	6	r	29.32	− .29	53	51	+ 7	W	7	cq	6	53	45	0.48
	Scilly	29.69	49	SW	6	o	29.58	− .06	53	51	+ 6	WNW	7	cq	6	53	44	0.11
	Prawle Point ...	29.73	47	W	4	bc	29.43	− .17	51	49	+ 10	W	6	cpq	6	53	38	0.08
	Jersey	29.78	47	W	3	b	29.58	− .07	53	53	+ 5	SW	7	cqr	6	53	44	0.08
	Hurst Castle ...	29.72	45	WNW	2	b	29.41	− .20	53	53	+ 9	WSW	8	rqm	3	53	42	0.39
	Dungeness ...	29.70	44	W	1	b	29.53	.00	50	50	− 3	SSW	6	r	6	53	40	0.30
	London	29.70	42	SW	3	bm	29.45	− .10	46	46	− 1	S	2	rfg	*	51	38	0.19
	Oxford	29.71	39	SSW	2	b	29.39	− .19	45	45	+ 3	SSE	4	r	*	49	38	0.24
	Cambridge ...	29.68	39	Z	0	b	29.44	− .10	43	43	− 4	SE	1	o	*	50	34	0.05
	Yarmouth ...	29.63	42	NW	1	c	29.51	+ .01	44	43	− 5	SSW	3	c	3	50	36	0.06
GERMANY.	Cuxhaven ...	29.62	50	S	2	o	29.65	− .01	41	40	− 5	SW	2	b	*	?	41	0.28
	Berlin	29.83	47	ESE	2	c	29.79	− .08	45	43	+ 6	SW	1	r	*	50	?	—
	Wiesbaden ...	*	*	*	*	*	29.91	+ .13	42	41	− 4	S	1	b	*	52	41	0.04
	Munich	29.90	38	Z	0	b	29.98	+ .06	45	42	+ 11	W	2	o	*	50	?	—
FRANCE & NETHERLANDS.	The Helder ...																	
	Brussels	*	*	*	*	*	29.73	+ .08	42	40	− 9	S	7	c	*	54	40	0.12
	Cape Gris Nez...	29.69	46	NW	7	o	29.57	+ .01	49	47	− 1	SW	8	o	?6	54	46	0.32
	Paris	29.78	46	SSW	1	o	29.89	+ .19	38	37	− 10	S	3	o	*	51	37	0.08
	Brest	29.81	50	NW	4	b	29.71	+ .02	55	55	+ 6	WNW	8	f	6	?	46	0.08
	Lorient	29.90	51	NW	5	bc	29.79	+ .08	56	54	+ 6	WSW	8	r	6	?	43	0.08
	Rochefort ...	29.98	51	NW	5	b	30.04	+ .23	55	52	+ 2	SW	7	o	2	59	46	—
	Belfort	29.85	48	S	1	o	30.03	+ .19	45	44	− 1	W	3	c	*	54	38	0.59
	Lyons														*			
	Nice...																	
PENINSULA.	Perpignan ...	29.94	54	NW	3	o	30.12	+ .30	52	48	+ 5	NW	4	o	*	58	50	—
	Biarritz	30.01	57	W	7	o	30.15	+ .33	52	51	− 3	SSW	4	bc	2	57	48	0.16
	Corunna	*	*	*	*	*	30.20	+ .23	52	50	− 1	SW	4	o	4	57	46	—
	Lisbon	30.12	53	N	4	b	30.25	+ .21	49	47	− 2	N	4	b	2	57	48	—

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday 17th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevailed winds. They fly with the wind and their barbs and feathers refer to force, thus —*

= forces above 10; = forces 8 to 10;
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= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871 — 1880.

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Sumburgh Head	29·724
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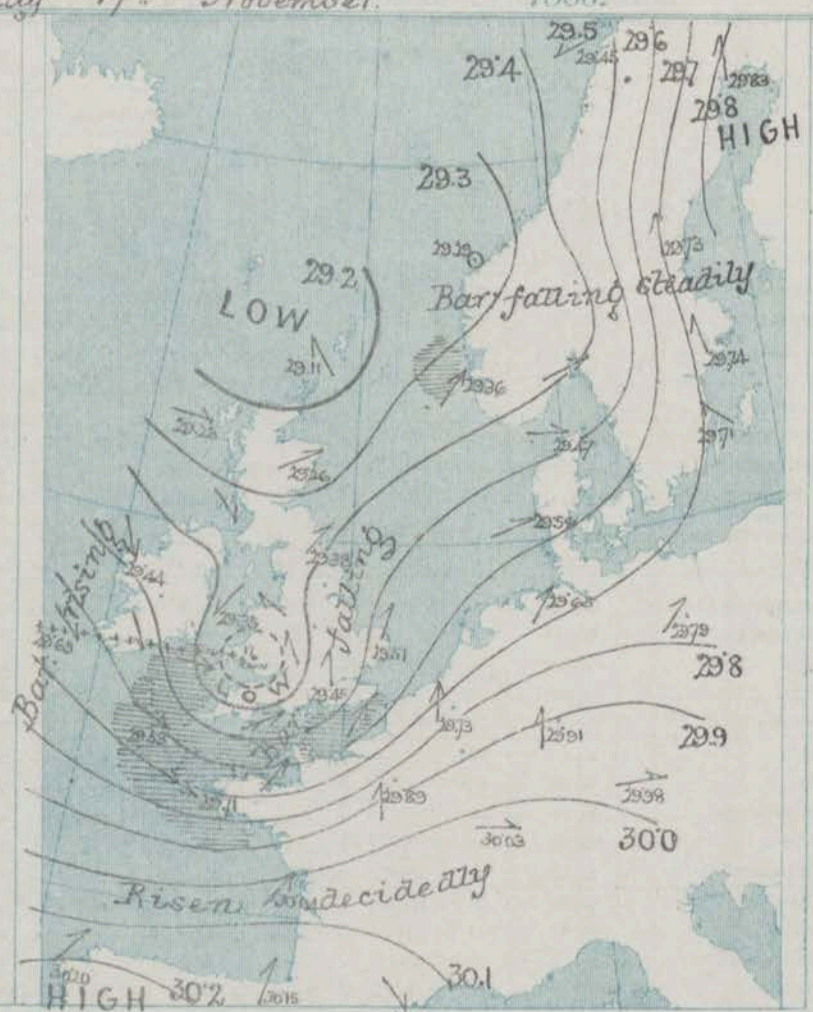
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·853



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

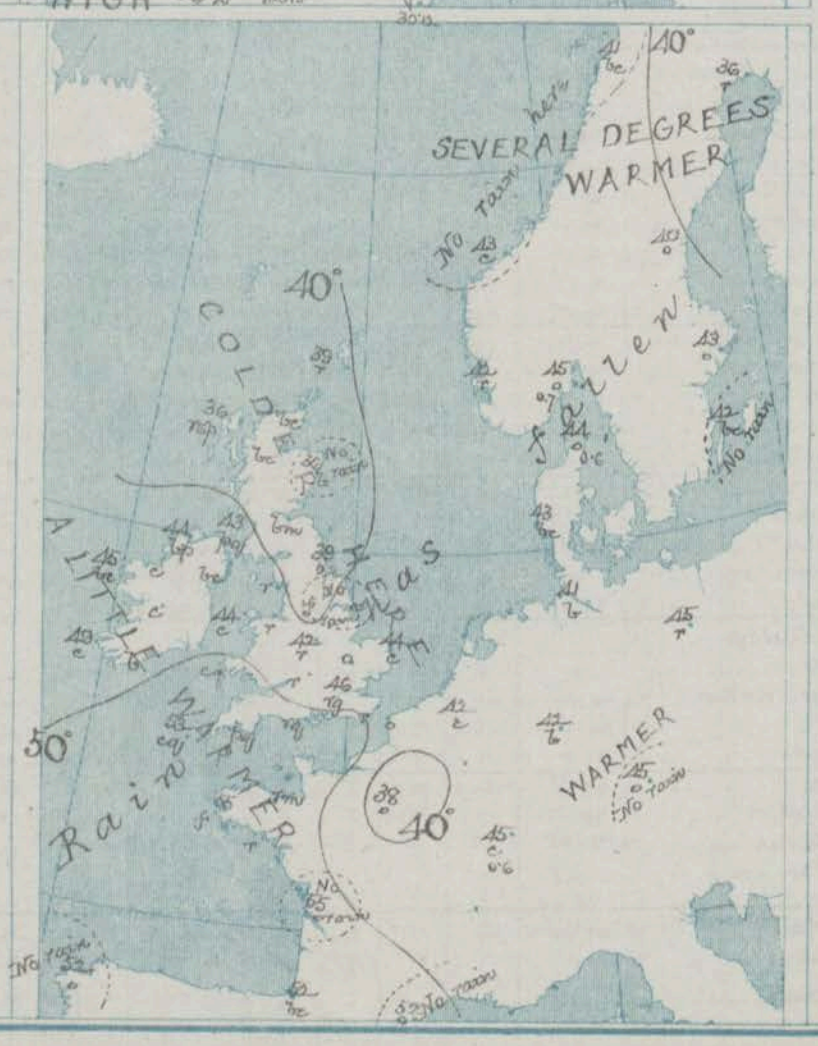
Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*
Weather is shown by Letters of the Beaufort Scale.
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	Wet	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30.2 ins and upwards over Portugal, but relatively high 29.8 ins and upwards over the Gulf of Bothnia.
Lowest, 29.2 ins and less off the north of Scotland, but relatively low (29.3 ins) in a depression lying over Central Europe.

TEMPERATURE — Highest, 56° at Lorient and 53° at Pembroke, Scilly, Jersey and Hurst Castle.
Lowest, 35° at Wick, 36° at Haparanda and 38° at Paris.

WIND — Light or moderate from W or NW in Ireland and Scotland.
Strong from W or SW over the Channel and Bay of Biscay.
Light from SW or S over Germany, the east of England and the eastern shores of the North Sea.

WEATHER — Fair at many of our western and northern stations.
Cloudy elsewhere, with rain in most parts of England and also in the north of France.
In the course of the past 24 hours rain has fallen generally.

SEA — Rough off the south-west and south of England and also in the northern part of the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general distribution of pressure is not very different from that of yesterday, but the conditions over our islands have been complicated owing to the rapid advance of a small depression from the Atlantic.

The centre of this disturbance is now lying over Wales and a brisk recovery of pressure is in progress at the Irish stations. The depression seems likely to move north-eastwards to the North Sea, and during its progress it will probably become shallower.

There is at present no sign of the advance of any new system, but conditions are not at all settled.

FORECASTS

for the 24 hours ending at NOON on 18th November *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW by W and SW by W winds, light or moderate; changeable, some showers.	6 SCOTLAND WEST	NW by W to SW by W winds, moderate; unsettled, some showers.
1 SCOTLAND EAST	------ Do ------ Do ------	7 ENGLAND N. W.	NW by W to SW by W winds, moderate; some showers at first, then fair.
2 ENGLAND N.E.	S by W and SW by W winds, moderate or fresh; showery to fair.	8 ENGLAND S. W	Strong W by S winds, backing later; squally, some showers.
3 ENGLAND EAST	------ Do ------ Do ------	9 IRELAND NORTH	NW by W to SW by W winds, freshening; fair to unsettled and some rain.
4 MIDLAND COUNTIES	Same as No. 5.	10 IRELAND SOUTH	------ Do ------ Do ------
5 ENGLAND SOUTH	S by W to W by S winds, fresh or strong, some showers at first, then fair.	WARNINGS	None issued.

Frederick Dangerfield, Lith. London, S.E.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.42	48	44	SE	8	o	5
Sumburgh Head	29.21	43	38	W	1	c	2
Stornoway ...	29.27	41	39	SSW	4	c+p	4
Aberdeen ...	29.39	44	40	W	1	b	1
Shields	29.50	45	40	NW	3	b	2
Ardrossan ...	29.43	45	42	SW	4	c	3
Malin Head ...	29.37	41	40	SSW	3	o	4
Mullaghmore ...	29.45	44	42	WSW	5	c/p	4
Belmullet ...	29.41	45	42	W	3	o	*

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Holyhead ...	29.59	46	42	SW	4	be	3
Valencia	29.61	50	47	W	3	c	3
Scilly	29.71	51	46	WSW	4	c	5
Dungeness ...	29.63	50	48	NW	4	be	3
London	29.64	49	44	W	3	be	*
Yarmouth ...	29.56	47	45	WNW	3	cm	3
Jersey	29.73	50	49	WNW	3	b	3
Rochefort ...	29.88	55	52	NNW	5	o	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3.)

Yesterday's reports showed that pressure varied from a little above 29.9 ins. over Spain, the Mediterranean and South-Eastern Europe, as well as over Finland and the north of Russia to about 29.43 ins. in the centre of a depression which lay near Kharkoo, and to about 29.2 ins. in another lying off the north of Scotland. Thus, while NE. to SE. winds were prevalent over Northern Europe, SW. and S. breezes were felt elsewhere, and blew strongly in the southwest of France. The weather was cold, but comparatively dry in the north, mild and wet in the west, and some parts of the Central districts. Over the British Islands it was finer than of late, but the appearance was unsettled and changeable. Temperature (which had fallen except in the north) varied from between 60° and 64° over the south-eastern parts of the Mediterranean, and from between 50° and 55° over the southwestern part of France to several degrees below the freezing over Northern Europe, and to between 35° and 40° over the central parts of Germany and Austria. The highest individual readings were 64° at Brindisi, 61° at Malta, 58° at Lesina, and 55° at Biarritz and Coiseba; the lowest 23° at Haparanda (the Archangel report is wanting) 29° at Uleaborg, and 35° at Stornoway and Wick.

During the succeeding 24 hours a new but small depression advanced over the British Isles from the westward bringing about a renewal of wet unsettled weather, while over France further showers were reported generally. Temperature did not reach 60° at any of the Western Continental stations, and on our own coasts it did not exceed 53° even at the warmest stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Thursday 18th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA	Haparanda ..	29.71	34	S	4	h	29.56	-.27	35	35	-1	S	6	h	*	39	32	0.12
	Hernösand ...	29.49	41	SSE	8	h	29.50	-.23	34	33	-6	SW	2	b	*	43	?	0.35
	Stockholm ...	29.54	42	2	0	bc	29.57	-.17	35	34	-8	E	2	f	*	46	?	0.20
	Wisby	29.61	45	WNW	4	b	29.54	-.17	38	38	-4	SE	4	bc	*	46	39	0.12
	Bodö	29.34	44	ESE	2	o	29.32	-.13	39	39	-2	ESE	2	o	1	45	34	0.04
	Christiansund...	29.31	39	SE	2	b	29.49	+.20	38	36	-5	2	o	c	1	43	32	0.08
	Skudesnaes ...	29.29	44	WSW	4	c	29.41	+.05	39	39	-3	NNW	2	c	4	45	?	-
	Christiania Fjord (Færder)	29.42	46	S	6	b	29.30	-.10	44	43	-1	ESE	8	o	3	46	43	0.51
	Skagen (The Scaw)	29.39	45	SSW	5	o	29.31	-.16	41	40	-3	W	1	bc	o	45	39	0.32
	Fanö	29.33	43	SW	4	h	29.40	-.18	40	39	-3	SW	2	c	*	48	39	0.63
BRITISH ISLANDS	Sumburgh Head	29.18	40	NW	3	c	29.65	+.54	42	40	+3	N	4	c	4	43	34	0.39
	Stornoway ...	29.35	43	W	5	bcp	29.85	+.62	40	39	+4	W	2	cg	2	43	34	0.22
	Wick	29.28	39	NW	2	bc	? 29.77	+.57	36	34	+1	N	3	bc	1	43	33	0.30
	Nairn	29.35	42	W	2	o	29.83	+.59	42	40	+4	WNW	2	o	1	42	35	0.06
	Aberdeen... ...	29.36	38	WSW	2	o	29.75	+.49	42	40	+6	NNW	5	bg/p	2	42	35	0.09
	Leith ...	29.47	40	WNW	1	b	29.84	+.52	39	36	0	WNW	1	bm	*	46	39	-
	Shields	29.51	42	WNW	2	b	29.75	+.37	38	35	-1	WNW	2	b	2	47	37	-
	Spurn Head ..	29.54	43	WNW	4	b	29.78	+.35	43	42	+1	NW	5	b	3	44	39	0.07
	York	29.55	40	N	1	b	29.65	+.44	41	38	+2	NNW	2	b	*	44	36	0.04
	Loughborough	29.63	42	NW	3	b	29.87	+.47	43	42	+1	WNW	3	bc	*	45	40	0.02
	Ardrossan ...	29.52	45	NW	5	bg/p	29.89	+.55	44	41	+1	WNW	3	b	2	48	42	0.02
	Malin Head. ...	29.58	45	WNW	4	bg/p	29.94	+.55	46	43	+2	WNW	3	b	3	47	42	0.05
	Mullaghmore .	29.70	47	WNW	7	cg/p	29.97	+.58	47	44	+2	NNW	2	c	2	48	43	0.03
	Belmullet ...	29.77	47	WNW	5	c	30.00	+.49	43	43	-2	SSE	3	o	*	48	41	0.06
	Donaghadee ...	29.64	41	NW	3	b	29.95	+.55	42	41	+2	W	4	b	2	46	38	0.01
	Barrow-in-Furness	29.60	44	SE	4	h	29.88	+.51	44	41	+1	N	2	bc	*	46	41	0.39
	Liverpool (Bidston)	29.62	46	W	5	o	29.89	+.53	45	43	+4	WNW	6	b	4	47	41	0.02
	Holyhead ...	29.69	46	W	5	cg/p	29.96	+.61	47	45	+3	NNW	5	cg	4	48	44	0.06
	Parsonstown ...	29.70	45	2	0	b	30.07	+.53	42	41	0	2	0	c	*	49	39	-
	Valencia	29.90	51	WNW	4	bc	30.08	+.45	47	46	-2	WNW	1	c	2	53	46	0.01
	Roche's Point...	29.83	50	NW	4	c	30.08	+.53	47	44	-1	W	3	b	3	53	45	0.02
	Pembroke ...	29.78	49	NW	4	bc	30.06	+.44	48	45	-5	NW	4	c	3	53	46	0.02
	Scilly	29.85	53	NW	7	bc	30.10	+.52	52	49	-1	WNW	5	o	5	54	49	0.01
	Prawle Point ...	29.83	46	WNW	4	bc	30.05	+.57	48	47	-3	WNW	2	og	4	54	43	0.05
	Jersey	29.80	51	WNW	6	o	30.05	+.47	52	49	-1	WNW	5	cm	4	56	48	0.12
	Hurst Castle ...	29.73	47	WNW	5	b	29.98	+.57	46	44	-7	WNW	5	bc	3	53	43	0.03
	Dungeness ...	29.56	47	NNW	5	o	29.88	+.35	43	42	-7	WNW	4	c	3	55	40	0.44
	London	29.66	44	NW	5	bc	29.93	+.48	41	39	-5	SW	2	c	*	55	38	0.17
	Oxford	29.75	40	WNW	3	b	29.94	+.55	42	40	-3	W	4	o	*	54	39	0.10
	Cambridge ...	29.61	41	NW	1	b	29.87	+.43	42	40	-1	W	2	bc	*	53	37	0.09
	Yarmouth ...	29.51	44	NW	3	c	29.76	+.25	43	41	-1	WNW	5	cg	4	49	36	0.17
GERMANY	Cuxhaven ...	29.55	43	SW	4	b	29.51	-.14	43	42	+2	W&W	4	bc	*	45	? 36	0.28
	Berlin	29.73	41	2	0	b	29.53	-.26	44	43	-1	WNW	6	h	*	48	39	*
	Wiesbaden ...	*	*	*	*	*	29.87	-.04	44	41	+2	W	4	b	*	50	?	0.08
	Munich	29.92	36	W	3	b	29.92	-.06	43	41	-2	W	6	h	*	46	34	0.04
FRANCE & NETHERLANDS.	The Helder ...	29.43	45	N	5	h	29.60		44	42		NW	8	h	4	48	39	0.28
	Brussels	*	*	*	*	*	29.84	+.11	42	40	0	W&W	4	o	*	50	40	0.59
	Cape Gris Nez...	29.46	48	NW	9	c	29.85	+.28	46	44	-3	WNW	8	o	6	59	45	0.28
	Paris	29.73	50	SW	4	bc	30.04	+.15	42	41	+4	SW	1	o	*	51	38	0.16
	Brest	29.94	53	NW	7	o	30.13	+.42	52	48	-3	NNW	4	o	4	55	46	0.08
	Lorient	29.95	54	WNW	8	bc	30.18	+.39	52	48	-4	NW	4	c	0	57	50	0.08
	Rochefort ...	30.01	56	WNW	8	h	30.23	+.19	52	51	-3	NNW	5	h	2	57	46	0.28
	Belfort	29.91	46	S	3	bc	30.04	+.01	44	43	-1	W	3	b	*	50	40	0.04
	Lyons	30.06	48	SSW	4	c	30.13		44	43		E	1	bc	*	55	43	0.08
	Nice	29.98	55	E	1	b	29.89		52	48		NNW	1	b	1	59	45	0.12
PENINSULA.	Perpignan ...	30.17	48	W	1	b	30.17	+.05	55	48	+3	NW	4	bc	*	63	41	-
	Biarritz	30.15	59	W	7	o	30.26	+.11	57	51	+5	NW	5	o	2	61	48	0.20
	Corunna	*	*	*	*	*												
	Lisbon	30.28	54	N	5	b	30.30	+.05	51	50	+2	NNE	1	bc	2	61	?	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 18th November. 1886.

BAROMETER, WIND & SEA.

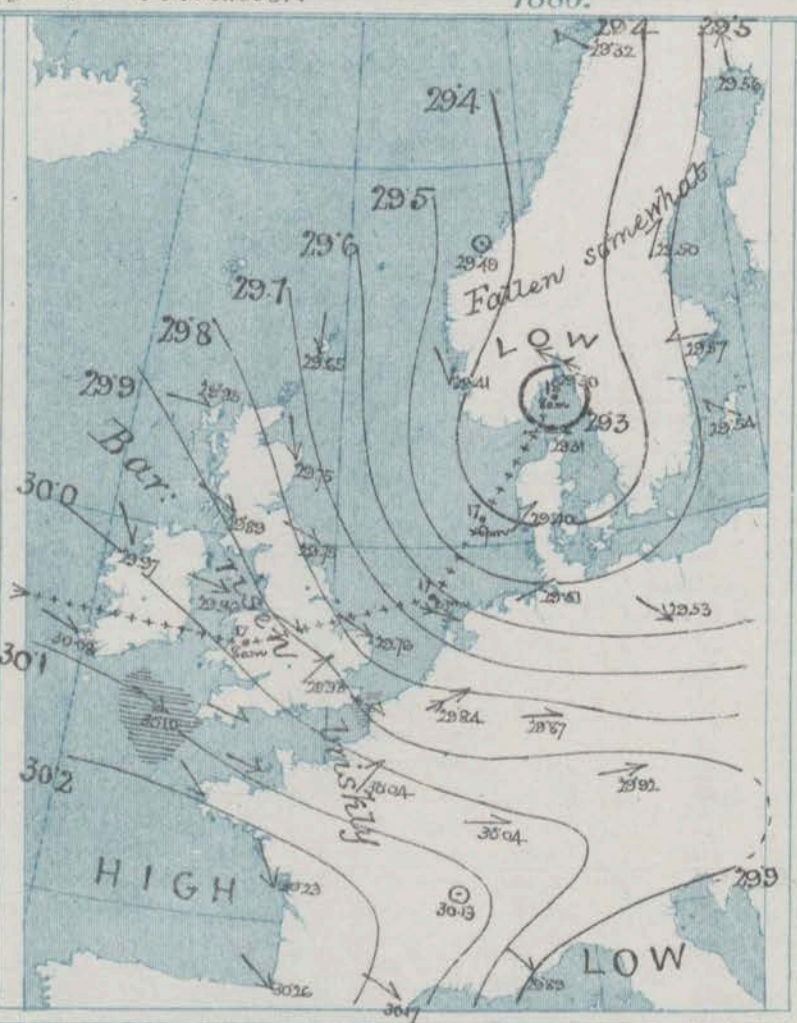
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. Ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather *is shown by Letters of the Beaufort Scale.*

Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·5	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·2 ins: and upwards, over Spain and the southern part of the Bay of Biscay.
Lowest, 29·3 — and less, in a small depression having its centre near the Skager Rack.

TEMPERATURE — Highest, 57° at Biarritz, 55° at Perpignan and 52° at Scilly and Jersey.
Lowest, 34° at Hernösand, 35° at Haparanda and Stockholm, and 36° at Wick.

WIND — Moderate or fresh from W. or NW. over our Islands and the greater part of France.
Light from SW. in Denmark, and from SE. in Sweden.

WEATHER — Rainy at the German stations and also at Rochefort, but fair or fine elsewhere.
During yesterday rain fell in nearly all parts of Western Europe.

SEA — Rather rough at Scilly, but moderate to smooth on other parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression noticed over Wales yesterday morning subsequently moved eastwards to the Dutch coast, but in the course of the night it has travelled away in a north-easterly direction to the neighbourhood of the Skager Rack.

The barometer is at present rising steadily over the whole of our Islands, and there are no decided indications of the advance of any fresh disturbance. In London, however, cirrus cloud is moving from the NWst and it is not improbable that a new depression will shortly appear off our western coast.

FORECASTS

for the 24 hours ending at NOON on 19th November. 1886.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NWst winds, backing later; fair to cloudy and some rain.
1 SCOTLAND EAST	------D°--------D°--------D°------
2 ENGLAND N.E.	------D°--------D°--------D°------
3 ENGLAND EAST	Same as No 5
4 MIDLAND COUNTIES	Same as No 5
5 ENGLAND SOUTH	Wst to SWst winds, moderate or fresh; fair to cloudy and some rain.
6 SCOTLAND WEST	Wst to SWst or Sst winds, fresh; fair to unsettled and some rain.
7 ENGLAND N.W.	------D°--------D°--------D°------
8 ENGLAND S.W	Wind backing to SW or S and increasing in force; fair to dull and rainy.
9 IRELAND NORTH	------D°--------D°--------D°------
10 IRELAND SOUTH	------D°--------D°--------D°------
WARNINGS	NONE ISSUED.

Frodk Darlingfield, Lith. London, W.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.32	44	42	SSE 8	nbq	6	Holyhead ...	29.59	46	44	WNW 4	bc	4
Sumburgh Head	29.14	40	37	NW 3	c	3	Valencia	29.80	53	51	WNW 5	oqp	5
Stornoway ...	29.29	42	41	W 4	bcqrshp	3	Scilly	29.75	53	50	WNW 8	cq	6
Aberdeen ...	29.34	41	38	SW 1	bc	1	Dungeness ...	29.42	53	52	WSW 5	cq	6
Shields	29.42	49	42	SW 2	b	2	London	29.44	55	51	W 4	on	*
Ardrossan ...	29.45	47	44	NW 3	c	2	Yarmouth ...	29.31	48	47	NNE 3	bc	4
Malin Head ...	29.50	45	41	WNW 3	b	4	Jersey	29.66	54	52	WNW 7	o	6
Mullaghmore ...	29.60	49	44	WNW 6	cp	5	Rochefort ...	30.01	57	55	WSW 8	n	4
Belmullet ...	29.68	49	46	WNW 3	bc	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

For condition at 8am today see pp 2 and 3.

Yesterday morning reports showed a continuation of showery, changeable, unsettled weather over nearly the whole of the Continent. Pressure was high over SWn, Sn, and Central Europe and the northern parts of Russia, the highest readings of all being 30·1 ins. and upwards over Spain, and between 30·0 ins. and 30·1 ins. over the extreme north of Europe. Off the coast of NW Europe the barometer was as low as 29·2 ins.; over the British Isles a small depression had advanced rapidly from the westward, and readings over South Wales were as low as 29·3 ins.; while over Southern Russia there was yet another depression passing away to the Eastwards. Calms and variable airs consequently prevailed over the southern, central, and northern countries, with cloudy (or hazy) but fair weather, while over Central Russia and nearly the whole of Western Europe the weather was dull, with rain in many places. Temperature had changed irregularly, and ranged from between 59° and 63° over the southern part of the Mediterranean, and from rather more than 50° at the mouth of the Channel to 20° or 25° below the freezing point over Northern Europe. The highest individual readings reported were 65° at Tunis, 63° at Malta, 60° at Palma and Sanguinaire, the lowest 5° at Archangel, 31° at Warsaw, 32° at Kuopio, 35° at Wick, 38° at Paris and 39° at York.

During the day the small depression over England moved quickly to the Eastward and northward, and the weather over England, after being rainy generally, cleared, and became colder, with a NNW wind, and the barometer rose. Strong W to NW winds or gales were felt in the Channel and over the Continent for a time, but subsequently lulled as the depression moved northwards.

ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that:—

on the 14th inst. in Lat. 42° N. Long. 65° W. the barometer at 7 pm fell to 29·3 ins. during a "storm" in which the wind shifted from SE. to NW.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 19th November *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.56	35	SW	0	b	29.88	+.32	31	31	-4	N	4	b	*	37	?	0.12
	Hernösand ...	29.73	32	SW	0	b	30.01	+.51	31	30	-3	SW	0	b	*	43	30	-
	Stockholm ...	29.70	40	NNE	4	c	29.92	+.35	37	36	+2	N	4	o	*	45	?	-
	Wisby	29.54	42	ENE	4	n	?	?	42	40	+4	S	4	c	*	45	36	0.12
	Bodö	29.69	38	N	5	n	29.98	+.66	36	32	-3	N	2	o	1	39	32	0.12
	Christiansund...	29.82	40	SW	3	o	30.03	+.54	37	36	-1	ESE	1	b	3	41	36	0.04
	Skudesnaes ...	29.78	40	NNW	4	b	30.08	+.69	43	39	+4	ESE	2	bc	3	?	39	-
	Christiania Fjord (Færder)	29.65	40	NNE	8	n	30.06	+.76	41	38	-3	N	6	b	1	?	39	0.39
	Skagen (The Scaw)	29.54	43	NE	4	o	30.02	+.71	42	40	+1	NE	3	o	2	43	39	0.12
	Fanö	29.70	37	NW	3	b	30.00	+.60	40	40	0	NNW	4	b	*	45	37	0.08
BRITISH ISLANDS.	Sumburgh Head	29.90	40	N	1	c	29.86	+.21	45	42	+3	SE	3	bc	4	45	35	-
	Stornoway ...	29.88	46	S	4	n	29.73	-.12	51	51	+11	S	4	d	5	51	38	0.51
	Wick	29.94	35	SW	0	b	29.82	+.05	47	46	+11	S	4	o	1	47	34	0.26
	Nairn	29.95	35	SW	0	c	29.82	-.01	42	42	0	SW	0	o	0	47	33	0.15
	Aberdeen... ...	30.01	37	W	1	b	29.94	+.19	43	43	+1	SSW	3	n	2	46	32	0.23
	Leith ...	30.02	40	NW	1	b	29.95	+.11	44	44	+5	NE	1	f	*	48	33	0.20
	Shields	30.04	40	SW	0	b	30.07	+.32	42	41	+4	S	3	o	2	48	34	0.03
	Spurn Head ..	30.04	44	WNW	4	b	30.15	+.37	41	40	-2	SSW	3	ogm	4	48	37	-
	York	30.07	38	NNW	1	b	30.14	+.29	37	36	-4	SSE	1	m	*	47	32	-
	Loughborough	30.11	39	W	1	b	30.17	+.30	40	40	-3	SSE	1	cwm	*	49	30	-
	Ardrossan ...	30.00	48	WSW	1	c	29.96	+.07	51	51	+7	S	3	o	2	51	43	0.39
	Malin Head ...	29.88	47	S	4	og	29.85	-.09	52	51	+6	SSW	4	o	4	53	45	0.11
	Mullaghmore .	29.92	52	S	6	og	29.88	-.09	54	52	+7	SSW	5	c	4	54	42	0.02
	Belmullet ...	?	50	SSW	4	n	29.88	-.12	51	51	+8	SSW	7	o	*	51	43	0.15
	Donaghadee ...	30.04	42	SW	3	b	30.00	+.05	50	50	+8	SW	4	c	2	50	40	0.01
	Barrow-in-Furness	30.07	44	NW	1	b	30.09	+.21	43	42	-1	SE	2	om	*	48	41	0.03
	Liverpool (Bidston)	30.11	43	W	1	b	30.10	+.21	44	43	-1	SSE	3	bc	3	49	39	-
	Holyhead ...	30.10	47	SW	1	c	30.07	+.11	53	53	+6	SSW	3	mo	2	53	46	0.06
	Parsonstown ...	30.05	49	SSE	1	o	30.01	-.06	52	51	+10	SSW	1	eq	*	52	40	-
	Valencia	30.04	52	SSE	4	od	30.00	-.08	54	53	+7	SSW	6	ogm	5	54	47	0.08
	Roche's Point...	30.10	52	SSW	3	n	30.06	-.02	52	52	+5	SW	4	nm	4	53	47	0.10
	Pembroke ...	30.16	49	W	2	bc	30.13	+.07	53	53	+5	SSW	3	f	3	53	48	0.03
	Scilly	30.16	52	WSW	2	o	30.15	+.05	54	53	+2	SSW	3	of	3	54	50	0.01
	Prawle Point ...	30.19	46	WNW	1	c	30.20	+.15	53	53	+5	SW	2	f	2	53	41	0.01
	Jersey	30.18	50	NW	2	cq	30.25	+.20	51	51	-1	SW	3	om	3	55	48	0.01
	Hurst Castle ...	30.16	44	WNW	3	b	30.22	+.24	44	43	-2	NE	1	cm	1	53	34	-
	Dungeness ...	30.09	42	NNW	3	b	30.23	+.35	34	34	-9	WNW	1	m	2	49	31	-
	London	30.12	40	WNW	1	bf	30.23	+.30	31	31	-10	W	1	bf	*	?50	30	-
	Oxford	30.17	39	W	2	b	30.23	+.29	38	37	-4	S	0	f	*	49	32	-
	Cambridge ...	30.09	40	NW	1	b	30.21	+.34	33	33	-9	SW	1	bc	*	49	30	-
	Yarmouth ...	30.00	45	NW	5	cq	30.19	+.43	35	35	-8	WNW	2	bcm	4	48	33	0.01
GERMANY.	Cuxhaven ...	29.50	43	N	7	n	29.92	+.41	45	44	+2	N	5	bc	*	45	42	0.10
	Berlin	29.63	42	SW	2	c	29.89	+.36	41	40	-3	NW	2	o	*	48	39	0.20
	Wiesbaden ...	*	*	*	*	*	30.08	+.21	45	42	+1	NW	4	bc	*	50	39	0.16
	Munich	29.96	37	W	7	n	30.03	+.11	33	33	-10	W	5	s	*	45	32	0.16
FRANCE & NETHERLANDS.	The Helder ...	29.88	48	NW	7	c	30.13	+.53	47	44	+3	NNW	3	c	3	50	48	0.32
	Brussels	*	*	*	*	*	30.23	+.39	40	39	-2	WSW	4	c	*	49	39	0.06
	Cape Gris Nez...	30.07	47	NNW	8	o	30.23	+.38	46	43	0	WNW	3	b	3	52	45	-
	Paris	30.15	45	W	1	c	30.30	+.26	41	41	-1	S	1	b	*	51	30	0.08
	Brest	30.22	52	N	3	o	30.25	+.12	54	53	+2	SW	4	o	4	54	46	-
	Lorient	?	51	N	1	f	30.32	+.14	50	49	-2	ESE	1	o	2	54	46	-
	Rochefort ...	30.30	52	NNW	4	o	30.34	+.11	49	47	-3	NE	1	o	2	57	45	0.12
	Belfort	?30.04	44	W	3	o	30.30	+.26	38	37	-6	S	1	o	*	48	35	-
	Lyons	30.21	47	W	1	o	30.30	+.17	39	38	-5	N	3	b	*	52	39	-
	Nice...	29.94	52	E	1	b	29.98	+.09	47	44	-5	E	3	b	2	57	43	-
PENINSULA.	Perpignan ...	30.21	54	NW	5	b	30.21	+.04	52	46	-3	NW	5	b	*	61	50	-
	Biarritz	30.29	55	W	3	bc	30.28	+.02	49	47	-8	SE	3	c	2	59	46	0.08
	Corunna	*	*	*	*	*	30.25		43	43		ENE	3	b	4	61	41	-
	Lisbon	30.25	55	NNW	5	b	30.23	-.07	47	47	-4	NNE	4	b	2	63	46	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday, 19th November 1886.

BAROMETER, WIND & SEA.

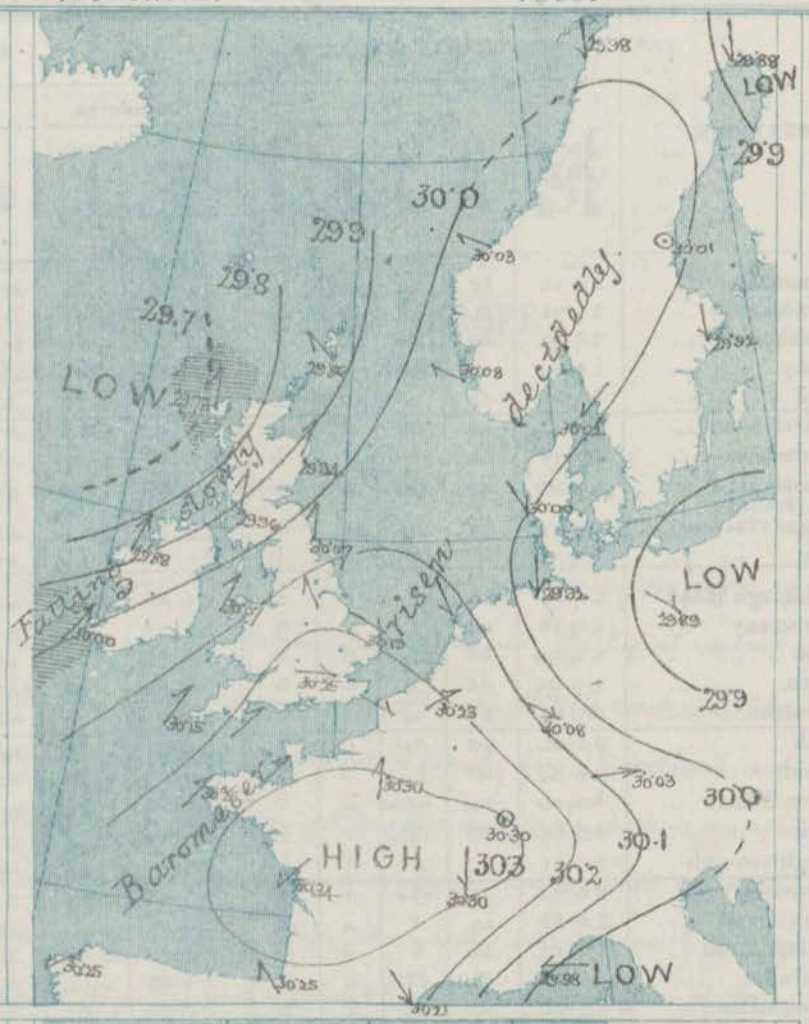
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⊛⟶ = forces above 10, ⟶ = forces 8 to 10;
⟶ = forces 5 to 7; ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

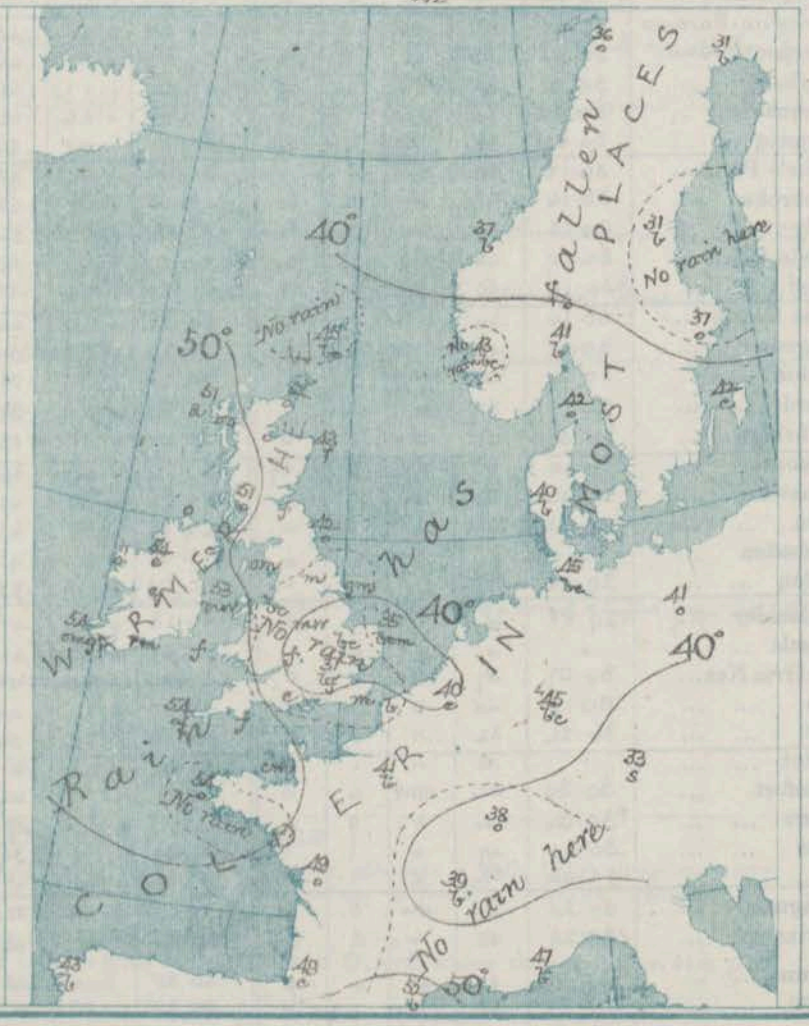
STATIONS.	MEAN READINGS ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10°. Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·3 ins., in an anticyclone lying over France, but relatively high in a long band of relatively high pressure extending westwards over the North Sea and Scandinavia.
Lowest, 29·7 ins., off the west of Scotland, but relatively low 29·9 ins. and less over North Germany.

TEMPERATURE — Highest, 54° at Mullaghmore, Valencia, Scilly and Brest.
Lowest, 31° at Haparanda, Hernösand, and in London, and 33° at Munich.
Sharp frost occurred over Great Britain last night; in London the thermometer on the grass fell to 22°.

WIND — Moderate or fresh from NW. or N. in Sweden, Denmark and Germany.
Light E. or SE. in the west of France.
S. or SW. in our Islands; strong in force in the west of Ireland.

WEATHER — Raining at several of our western and northern stations; foggy in many parts of England.
Fair or fine in most other localities, but snow reported at Munich.
Rain fell yesterday in the west and north generally.

SEA — Rather rough at Stornoway and Valencia, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since yesterday morning the barometer has fallen a little on our west and north coasts, and a depression is now lying off the west of Scotland.

This is apparently moving northwards, but other disturbances will probably appear on our western coasts shortly, and increasing S. winds are therefore likely over Ireland and the west of England, with a continuance of unsettled weather.

FORECASTS

for the 24 hours ending at NOON on 20th November. 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. winds, freshening; cloudy, some rain.	* 6 SCOTLAND WEST	SE. and S. winds, freshening, cloudy, some rain.
1 SCOTLAND EAST	------ D° ---------- D° ---------- D° ------	* 7 ENGLAND N.W.	------ D° ---------- D° ---------- D° ------
2 ENGLAND N.E.	S. winds, moderate; dull, rain locally.	* 8 ENGLAND S.W.	S. and SW. winds, freshening; cloudy, some rain
3 ENGLAND EAST	Same as No 5	* 9 IRELAND NORTH	S. and SW. winds, strong, perhaps a gale; cloudy, some rain.
4 MIDLAND COUNTIES	Same as No 2	* 10 IRELAND SOUTH	------ D° ---------- D° ---------- D° ------
5 ENGLAND SOUTH	W. to SW. winds, moderate; fair at first, less settled later, perhaps rain.	WARNINGS	The south cone was hoisted yesterday in districts 6 to 10. An asterisk is inserted against those districts in which signals are not flying.

Friedk Dangerfield, Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.56	44	39	NNW 4	b	4	Holyhead ...	30.07	48	45	NNW 2	c	2
Sumburgh Head	29.84	42	39	N 2	bc	4	Valencia	30.05	53	53	SE 4	od	4
Stornoway ...	29.90	45	43	SSW 2	b	2	Scilly	30.15	53	49	VNW 4	c	4
Aberdeen ...	29.93	44	41	NNW 3	b	2	Dungeness ...	30.01	48	46	NW 5	bc	3
Shields	29.95	48	42	NW 3	b	3	London	30.03	50	43	W 3	bc	*
Ardrossan ...	29.99	48	45	W 2	b	1	Yarmouth ...	29.90	45	42	NW 5	bc	5
Malin Head ...	29.94	46	43	S 3	o	3	Jersey	30.14	51	49	NW 3	c	3
Mullaghmore ...	29.94	50	46	SSW 4	o	2	Rochefort ...	30.29	56	52	WNW 4	o	2
Belmullet ...	29.96	50	49	S 4	o	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

The reports of yesterday showed that pressure varied from a little above 30·3 ins: over Portugal, and a little above 30·1 ins: over south-eastern and eastern Europe, to 29·3 ins: off the northwest of Norway. From this low pressure area a "hollow" extended southwards over Denmark and North Germany, and in this there lay the small well marked depression which was noticed over England on the previous day. Thus, while NW winds and fair cool weather prevailed over the British Isles. W breezes and showers were experienced in France and Germany, and S winds and rain over the Baltic. Over southern and Eastern Europe the weather was fair. Temperature (which had fallen generally in the west and northwest, but risen a little in the south and east) varied from a little above 50° over the Bay of Biscay to a good deal below the freezing point over Northern Russia, and to a little below the freezing point over Hungary. The highest individual readings were 63° at Malta, 62° at Brindisi, 60° at Livourne, Algiers and Sanguinaire; the lowest 15° at Archangel, 31° at Hermanstadt, 34° at Wisaborg and Kuopio and 36° at Aberdeen.

During the day the small depression to the eastward of the North Sea filled up, but the barometer again began to fall in the western parts of the British Isles, and the wind had backed to the S and freshened, with rain, and an unsettled sky. In Scotland also, and several parts of Germany the weather was showery. Over England the sky became clear at night and temperature fell fast, so that hoar frost and fogs were prevalent over the home counties.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Saturday 20th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	30·20	18	2	0	b	30·24	+·36	16	16	−15	2	0	b	*	36	?	-
	Hernösand ...	30·23	26	2	0	b	30·30	+·29	30	29	−1	2	0	c	*	39	25	-
	Stockholm ...	30·16	37	N	2	0	30·31	+·39	36	34	−1	NNW	2	0	*	43	36	-
	Wisby	30·06	44	NNW	4	n	30·19	?	41	39	−1	NE	4	0	*	45	36	0·16
	Bodö	30·06	31	ENE	2	b	29·89	−·09	38	33	+2	ENE	6	c	3	?	30	-
	Christiansund...	30·06	38	ESE	2	bc	29·88	−·15	49	40	+10	SE	5	c	3	?	33	-
	Skudesnaes ...	30·19	45	ESE	1	0	30·13	+·05	46	45	+3	SSE	8	n	5	?	43	-
	Christiania Fjord (Farder)	30·25	39	N	2	b	30·28	+·22	42	40	+1	SSE	2	bc	1	?	36	-
	Skagen (The Scaw)	30·23	40	2	0	b	30·31	+·29	41	40	−1	SW	1	c	1	43	32	-
	Fanö	30·27	38	E	2	b	30·34	+·34	34	34	−6	SW	1	c	*	46	34	-
BRITISH ISLANDS.	Sumburgh Head	29·80	49	SW	3	0	29·79	−·09	51	50	+6	SSW	3	0	3	52	42	0·19
	Stornoway ...	29·76	52	SSW	5	d	29·74	+·01	52	51	+1	SSW	6	nq	6	53	49	0·22
	Wick	29·84	56	S	2	0	29·82	·00	54	50	+7	WSW	4	c	1	56	34	0·01
	Nairn	29·85	52	2	0	c	29·87	+·05	54	50	+12	NNW	2	c	1	57	41	-
	Aberdeen... ...	29·95	48	SSW	1	0	29·97	+·03	53	53	+10	SSW	5	c	2	53	42	0·06
	Leith	30·02	52	W	1	c	30·03	+·08	54	51	+10	SW	2	c	*	57	44	-
	Shields	30·08	49	SSW	2	bm	30·13	+·06	52	49	+10	WSW	2	cm	2	52	40	-
	Spurn Head ...	30·17	46	S	3	0	30·24	+·09	49	48	+8	SW	3	bcm	2	50	40	-
	York	30·14	49	S	2	0	30·23	+·09	50	? 50	+13	S	1	f	*	50	36	0·01
	Leughborough	30·21	51	S	3	0	30·27	+·10	51	50	+11	SW	2	c	*	55	40	-
	Ardrossan ...	30·02	52	SW	3	0	30·04	+·08	52	51	+1	SE	3	c	2	56	50	-
	Malin Head ...	29·88	54	SSW	5	0	29·92	+·07	52	50	0	SSW	4	0	4	54	52	-
	Mullaghmore .	29·92	56	SSW	6	c	29·95	+·07	54	51	0	SW	6	0	5	56	48	-
	Belmullet ...	29·90	52	SW	7	0	29·91	+·03	52	52	+1	SSW	8	0	*	54	51	0·12
	Donaghadee ...	30·04	52	SSW	4	c	30·07	+·07	52	51	+2	SW	5	c	3	54	50	-
	Barrow-in-Furness	30·14	52	S	3	0	30·18	+·09	51	50	+8	SSW	4	c	*	52	43	0·04
	Liverpool (Bidston)	30·15	55	SSW	1	0	30·22	+·12	50	49	+6	S	1	c	2	56	44	-
	Holyhead ...	30·14	53	SW	5	0gm	30·18	+·11	52	51	−1	SW	5	cq/m	4	54	52	0·08
	Parsonstown ...	30·04	54	SSW	1	0	30·10	+·09	53	51	+1	SW	1	0q	*	57	51	-
	Valencia	30·02	54	S	6	cm	30·08	+·08	54	53	0	S	7	0	6	55	53	0·07
	Roche's Point...	30·10	52	SW	5	n	30·15	+·09	53	52	+1	SW	6	0	4	54	51	0·04
	Pembroke ...	30·19	53	SSW	4	0	30·26	+·13	52	52	−1	SSW	5	0m	5	54	51	0·04
	Scilly	30·17	54	SSW	5	f	30·25	+·10	52	51	−2	SSW	4	0p	4	55	50	0·01
	Prawle Point ...	30·27	53	WSW	2	0	30·34	+·14	52	49	−1	S	3	c	3	54	49	0·06
	Jersey	30·30	53	SW	3	bc	30·37	+·12	51	50	0	SSE	3	c	3	56	50	-
	Hurst Castle ...	30·27	52	WSW	2	0	30·35	+·13	51	51	+7	W	1	md	0	53	42	0·05
	Dungeness ...	30·25	52	W	2	0	30·33	+·10	49	49	+15	NNW	1	cw	1	52	33	0·02
	London	30·27	50	WSW	2	om	30·34	+·11	48	48	+17	SSW	2	bc	*	54	31	-
	Oxford	30·26	49	S	2	0	30·33	+·10	49	49	+11	SW	1	cf	*	52	38	0·02
	Cambridge ...	30·26	48	2	0	0	30·32	+·11	50	49	+17	SW	1	c	*	51	33	-
	Yarmouth ...	30·24	45	SW	1	cm	30·30	+·11	48	47	+13	SW	1	cf	3	48	33	-
GERMANY.	Cuxhaven ...	30·19	40	N	2	c	30·34	+·42	? 33	33	−12	SW	1	f	*	?	38	-
	Berlin	30·17	43	NW	2	bc	30·32	+·43	38	36	−3	NW	2	0	*	46	37	4
	Wiesbaden ...	*	*	*	*	*	30·41	+·33	42	41	−3	NW	1	c	*	46	37	-
	Munich	30·25	36	W	2	c	30·36	+·33	36	34	+2	W	4	0	*	37	?	0·28
FRANCE & NETHERLANDS.	The Helder ...	30·28	45	NNW	1	0	30·31	+·18	46	45	−1	S	1	f	1	48	45	-
	Brussels	*	*	*	*	*	30·37	+·14	45	45	+5	SSW	5	n	*	49	?	0·06
	Cape Gris Nez...	30·26	49	W	1	bc	30·33	+·10	52	52	+6	NW	1	0	2	54	45	0·12
	Paris	30·36	37	N	1	b	30·41	+·11	36	36	−5	SE	1	0	*	47	31	-
	Brest	30·29	54	SSE	4	0	30·31	+·06	51	49	−3	SSE	4	0	3	55	46	-
	Lorient	30·35	52	E	3	0	30·38	+·06	47	46	−3	E	3	b	2	54	45	-
	Rochefort ...	30·36	52	E	3	b	30·38	+·04	42	40	−7	E	5	b	2	57	37	-
	Belfort	30·30	41	SW	1	0	30·43	+·13	31	30	−7	NE	1	b	*	42	28	-
	Lyons	30·34	40	NNW	4	b	30·34	+·07	37	35	−2	NNW	4	b	*	46	36	-
	Nice...	30·09	52	E	4	bc	30·13	+·15	44	41	−3	E	4	b	1	59	41	-
	Perpignan ...	30·21	52	NW	4	b	30·24	+·03	39	37	−13	2	0	b	*	59	?	-
	Biarritz	30·26	52	E	3	0	30·28	·00	41	39	−8	E	4	b	1	57	37	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30·17	56	NE	4	b	30·23	·00	45	44	−2	NNE	4	b	2	59	45	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 20th November, 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevailed winds. They fly with the wind and their barbs and feathers refer to force, thus —*

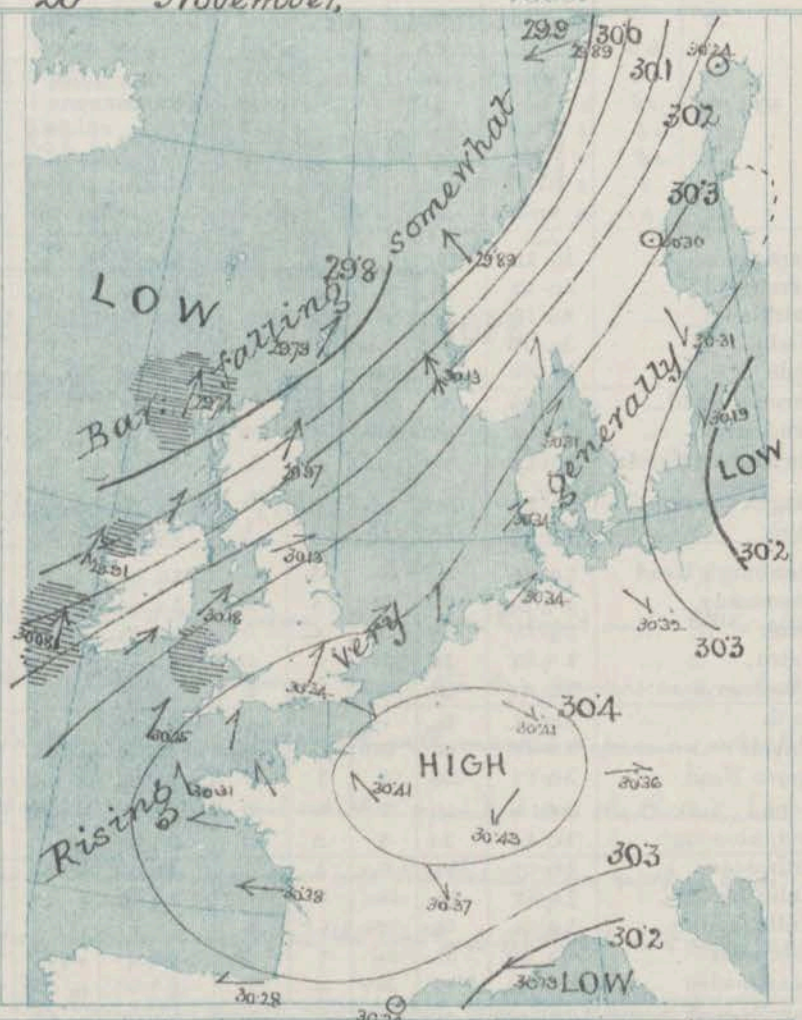
⟶ = forces above 10; ⟶ = forces 8 to 10;
⟶ = forces 5 to 7; ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shown thus*
= Rough. = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

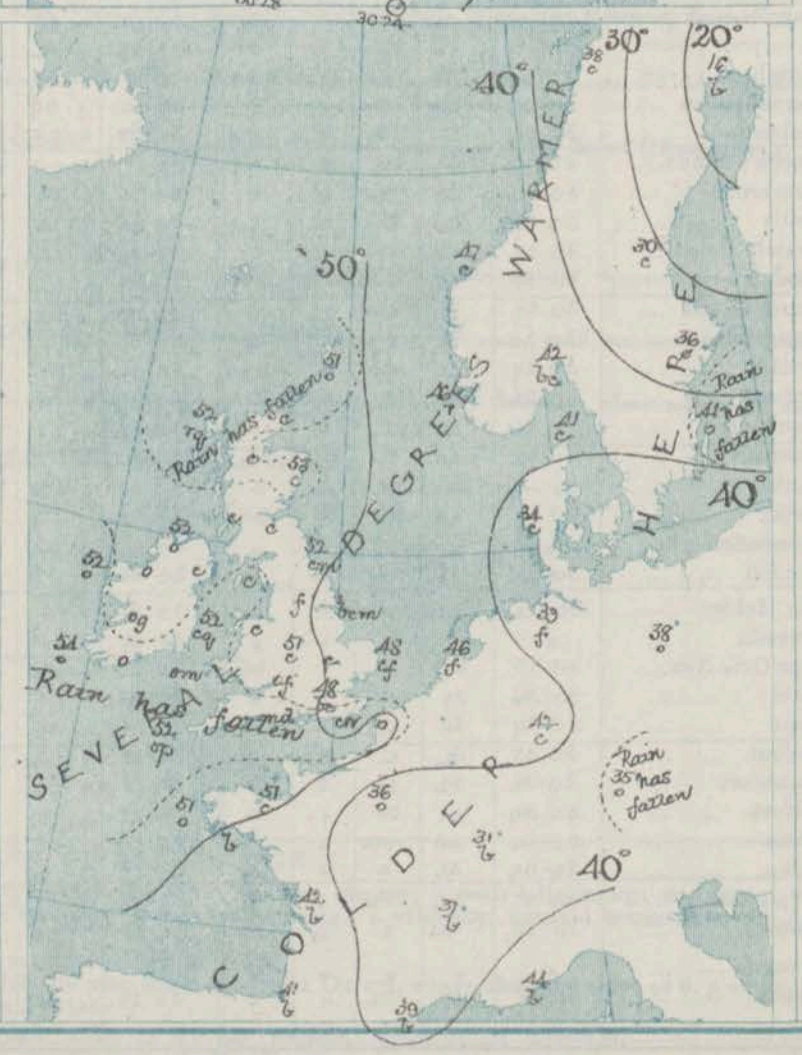
Rainfall — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL. Inches.
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins., over Eastern France and Western Germany, but a long band of relatively high pressure extending N.ᵗʰ to Sweden.
Lowest, 29·8 ins: or less, in the Shetlands and Hebrides.

TEMPERATURE — Highest, 54° at Wick, Nairn, Leith, Mullaghmore and Valencia.
Lowest, 16° at Haparanda, 30° at Hernosand and 31° at Brefort.
The readings over our Islands are considerably above the average.

WIND — Light NW.ˡʸ in Germany; Moderate E.ˡʸ in the west and south of France.
S. or SW.ˡʸ elsewhere; strong in force on the west coasts of Ireland and Scotland.

WEATHER — Dull on our extreme western and northern coasts, with rain at Stornoway.
Fair in most other localities, but foggy over the Netherlands and some parts of England.
Slight rain fell yesterday in many parts of the United Kingdom

SEA — Rough at Stornoway and Valencia, rather rough at Mullaghmore and Pembroke, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which lay over France yesterday has extended northwards and eastwards and now covers the greater part of Central Europe as well as Sweden and France.

Depressions are still passing in a northerly direction along our western coasts, but their centres are apparently at a considerable distance from our shores.

At present there is no sign of any decided change in the general conditions.

FORECASTS

for the 24 hours ending at NOON on 21ˢᵗ November 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ˡʸ winds, moderate, to S.ˡʸ strong; fair to cloudy and some rain.	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	------D°--------D°--------D°-------	7 ENGLAND N.W.	Same as No 0.
2 ENGLAND N.E.	S.ˡʸ and SW.ˡʸ winds, moderate, fair generally.	8 ENGLAND S.W	S.ˡʸ winds, freshening; cloudy, some showers.
3 ENGLAND EAST	Same as No 5	9 IRELAND NORTH	S.ˡʸ and SW.ˡʸ winds, strong, cloudy, some rain.
4 MIDLAND COUNTIES	Same as No 5.	10 IRELAND SOUTH	------D°------D°------D°------
5 ENGLAND SOUTH	SW.ˡʸ to SE.ˡʸ winds, light or moderate, fair generally, but some mist or fog.	WARNINGS	The south cone was lowered yesterday in districts 6 to 10.

Frederk Dangerfield, Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30·15	45	42	SSE 4	o	4	Holyhead ...	30·10	53	53	SSW 4	m	3
Sumburgh Head	29.81	47	47	SSE 4	n	4	Valencia	30·00	55	54	S 6	o m	5
Stornoway ...	29.76	52	52	SSW 4	d	4	Scilly	30·17	55	54	SSW 4	f	4
Aberdeen ...	29.92	47	46	SSW 3	o	2	Dungeness ...	30·25	51	49	W 2	o	2
Shields	30·05	48	46	SSW 3	c m	2	London	30·23	54	50	W 2	c m	*
Aberdeen ...	29.96	52	51	SW 4	o	3	Yarmouth ...	30·19	45	44	SW 2	c	3
Malin Head ...	29.86	54	52	SSW 4	o	3	Jersey	30·27	54	53	SW 2	o	3
Mullaghmore ...	29.90	56	54	SSW 5	o	4	Rochefort ...	30·35	55	54	ENE 1	o	2
Belmullet ...	29.88	52	52	SSW 6	o	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental Reports for yesterday have not yet arrived.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 21st November. 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
				Wind.			Barometer.		Shade Temp.			Wind.				Shade Temp.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Direc.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Weather.	Sun. (0 to 9.)	Max.	Min.	Amount of Rainfall.
		Ins	°				Ins	Ins	°	°	°					°	°	Ins.
Scandinavia	Haparanda ..	29·97	35	S	6	o	29·64	− ·60	37	37	+ 21	S	6	r	*	?	14	0·20
	Hernösand ...	29·99	34	S	6	o	29·86	− ·44	39	38	+ 9	S	2	o	*	?	23	—
	Stockholm ...	29·89	32	WSW	2	o	30·07	− ·24	35	34	− 1	S	2	bc	*	39	25	—
	Wisby	30·24	40	ESE	4	o	30·07	− ·12	35	34	− 6	SW	4	bc	*	43	35	0·04
	Bodö	29·53	39	E	4	r	29·47	− ·42	43	39	+ 5	SW	9	c	6	?	30	1·54
	Christiansund...	29·76	50	SW	2	o	29·94	+ ·06	43	40	− 4	WSW	8	r	5	54	39	0·43
	Skudesnaes ...	30·02	50	SSE	8	o	30·14	+ ·01	45	41	− 1	NW	6	o	4	50	?	—
	Christiania Fjord (Færder)	30·12	46	S	8	o	29·91	− ·37	47	47	+ 5	WSW	6	m	3	?	?	—
	Skagen (The Scaw)	30·19	43	SW	3	o	29·96	− ·35	48	47	+ 7	WSW	3	o	2	?	39	0·04
	Fanö	30·25	44	S	4	o	30·08	− ·26	48	48	+ 14	SW	4	o	*	48	34	—
British Islands	Sumburgh Head	29·84	44	NW	4	r	30·22	+ ·43	45	42	− 6	WNW	1	c	3	53	42	0·22
	Stornoway ...	30·01	44	WNW	4	bc	30·32	+ ·58	38	38	− 14	SSW	1	cg	1	52	35	0·59
	Wick	29·84	45	W	3	r	30·33	+ ·51	38	36	− 16	W	2	bc	1	54	35	0·03
	Nairn	30·02	45	WSW	2	r	30·34	+ ·47	40	37	− 14	WSW	1	b	1	59	37	0·35
	Aberdeen... ...	29·94	53	SSW	4	bc	30·35	+ ·38	36	35	− 17	W	1	b	1	55	35	0·09
	Leith ...	30·01	54	W	3	c	30·38	+ ·35	37	37	− 17	WNW	1	bm	*	58	33	—
	Shields	30·12	53	SW	4	o	30·35	+ ·22	40	42	− 9	NNW	1	c	2	56	42	0·04
	Spurn Head ...	30·24	50	SSW	3	o	30·31	+ ·07	48	47	− 1	NNE	4	c	2	53	46	0·02
	York	30·23	53	S	1	o	30·37	+ ·14	47	46	− 3	N	1	o	*	54	46	0·02
	Loughborough	30·30	51	WSW	3	o	30·33	+ ·06	49	48	− 2	WNW	1	ogm	*	54	48	—
	Ardrossan ...	30·03	52	SW	5	r	30·37	+ ·33	38	37	− 14	ENE	1	b	1	57	37	0·03
	Malin Head ...	30·10	46	NW	3	or	30·35	+ ·43	40	40	− 12	SSE	2	o	2	53	40	0·12
	Mullaghmore .	30·17	47	NNW	5	r	30·33	+ ·38	43	42	− 11	E	4	b	2	55	38	0·36
	Belmullet ...	30·18	47	NNW	3	r	30·30	+ ·34	45	44	− 7	SE	3	o	*	54	40	0·35
	Donaghadee ...	30·11	53	SW	4	c	30·37	+ ·30	47	45	− 5	NW	4	b	2	53	39	0·03
	Barrow-in-Furness	30·19	51	SW	4	o	30·35	+ ·17	45	42	− 6	NE	2	b	+	52	42	0·04
	Liverpool (Bidston)	30·24	52	NNW	2	c	30·36	+ ·14	45	44	− 5	NW	1	b	2	55	45	0·04
	Holyhead ... *	30·23	54	SSW	4	c	30·36	+ ·18	48	46	− 4	NNE	3	bc	2	54	48	0·06
	Parsonstown ...	30·15	54	SW	1	o	30·35	+ ·25	48	47	− 5	Z	0	om	*	? 55	45	0·07
	Valencia	30·19	54	SSW	7	odm	30·31	+ ·23	52	51	− 2	S	2	o	3	56	52	0·03
	Roche's Point...	30·25	53	SW	3	c	30·35	+ ·20	52	52	− 1	SW	2	rm	3	54	50	0·02
	Pembroke ...	30·31	52	SSW	4	r	30·37	+ ·11	51	51	− 1	W	2	cpm	3	53	51	0·04
	Scilly	30·28	53	SSW	4	o	30·35	+ ·10	53	53	+ 1	SSW	2	o	4	55	53	—
	Prawle Point ...	30·36	51	SW	2	bc	30·39	+ ·05	51	49	− 1	NW	1	o	2	53	49	—
	Jersey	30·38	49	S	2	b	30·40	+ ·03	46	45	− 5	WSW	1	bcmw	1	54	45	—
	Hurst Castle ...	30·37	52	WSW	3	bc	30·36	+ ·01	50	49	− 1	WNW	2	c	1	55	44	0·01
	Dungeness ...	30·36	51	W	2	o	30·32	− ·01	50	49	+ 1	WNW	2	o	1	53	46	0·02
	London	30·36	49	WSW	3	cm	30·35	+ ·01	49	48	+ 1	W	1	o	*	55	46	—
	Oxford	30·37	47	SW	2	o	30·36	+ ·03	47	47	− 2	SW	1	o	*	52	47	—
	Cambridge ...	30·33	50	Z	0	o	30·33	+ ·01	48	47	− 2	W	1	o	*	55	43	—
	Yarmouth ...	30·31	50	WSW	2	cm	30·28	− ·02	47	46	− 1	W	2	ofg	2	51	43	—
Germany	Cuxhaven ...	30·38	42	SSW	1	f	30·14	− ·20	44	44	+ 11	SW	1	f	*	44	?	—
	Berlin	30·39	37	SW	2	o	30·28	− ·04	34	33	− 4	W	1	c	*	43	34	—
	Wiesbaden ...	*	*	*	*	*	30·38	− ·03	36	35	− 6	Z	0	f	*	48	34	—
	Munich	30·41	35	NW	3	o	30·36	·00	33	31	− 2	W	4	bc	*	39	30	—
France & Netherlands	The Helder ...	30·31	49	SSW	1	f	30·24	− ·07	50	49	+ 4	W	1	o	1	50	46	0·04
	Brussels	*	*	*	*	*	30·34	− ·03	48	41	+ 3	SW	1	f	*	?	45	0·32
	Cape Gris Nez...	30·38	50	NW	1	o	30·32	− ·01	50	48	− 2	WNW	4	o	3	55	50	—
	Paris	30·43	45	Z	0	o	30·41	·00	45	45	+ 9	SW	1	o	*	48	?	—
	Brest	30·36	51	SSE	4	b	30·40	+ ·09	46	45	− 5	ESE	4	bc	5	54	45	—
	Lorient	30·39	48	E	4	b	30·41	+ ·03	45	45	− 2	E	3	bc	4	52	43	—
	Rochefort ...	30·40	49	ENE	5	b	30·46	+ ·08	42	41	0	ENE	4	b	2	57	37	—
	Belfort	30·38	41	S	1	b	30·42	− ·01	32	30	+ 1	Z	0	f	*	43	29	—
	Lyons	30·37	41	N	5	b	30·38	+ ·01	35	33	− 2	N	4	b	*	47	34	—
	Nice...	30·13	48	E	3	b	30·14	+ ·01	44	39	0	E	4	b	1	59	39	—
Peninsula	Perpignan ...	30·21	54	W	3	b	30·21	− ·03	54	43	+ 15	NW	3	b	*	58	?	—
	Biarritz	30·30	52	Z	0	b	30·32	+ ·04	49	46	+ 8	S	3	b	1	59	?	—
	Corunna	*	*	*	*	*	30·30	+ ·08	41	41	0	E	1	f	4	59	39	—
	Lisbon	30·23	56	NNE	3	b	30·28	+ ·05	46	45	+ 1	NNE	2	b	2	59	45	—

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday 21st November 1886.

BAROMETER, WIND & SEA.

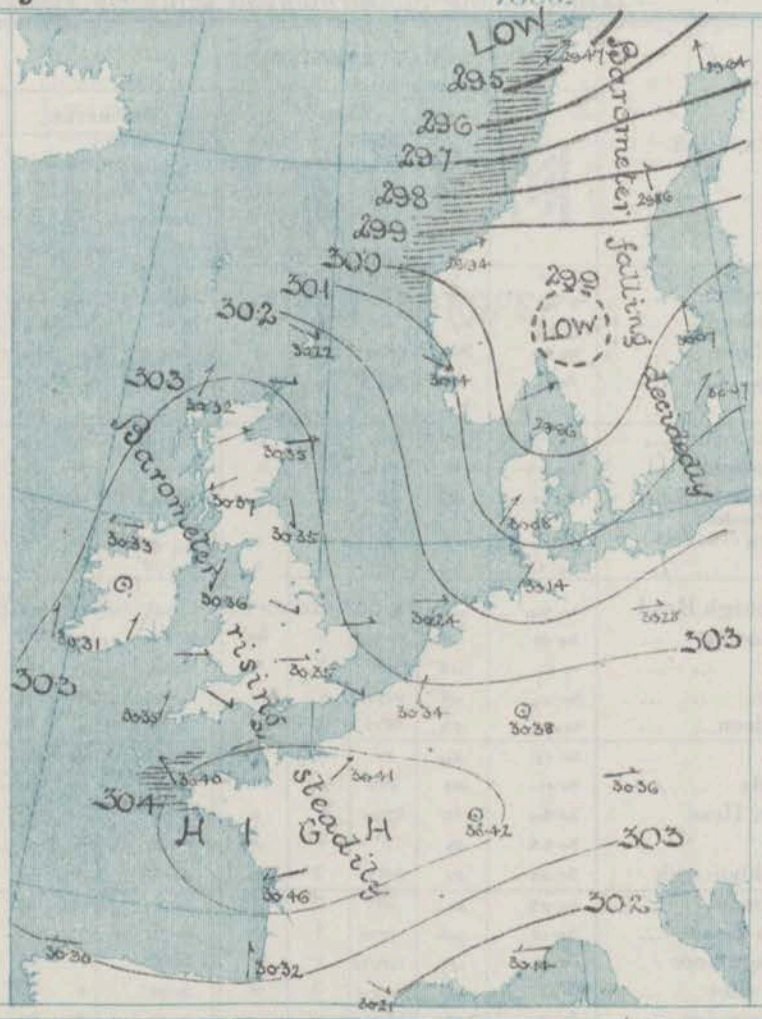
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevailing winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10; ⟶ = forces 8 to 10;
⟶ = forces 5 to 7; ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871 — 1880.

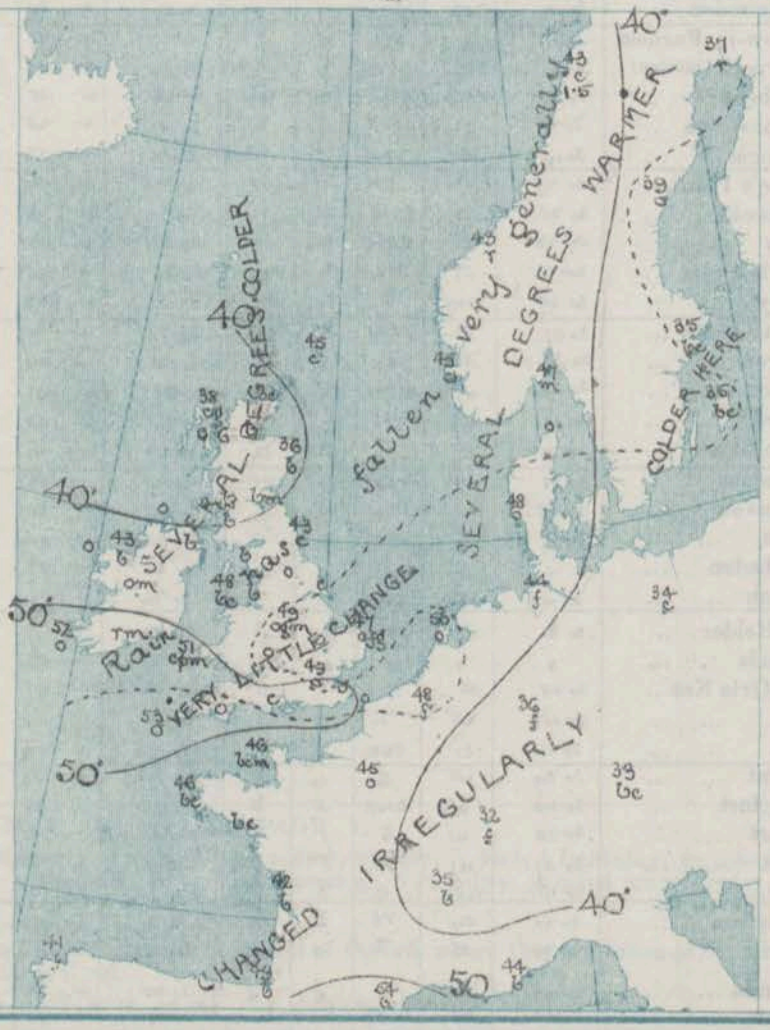
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10°. Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

Rainfall — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins: and upwards over France; 30·3 ins: and upwards over the British Isles.
Lowest, 29·5 ins: at Bodö, 29·9 ins: at Faarder Christiania Fiord), and 30·1 ins: at Nice.
Gradients very slight over France and the British Isles, moderate in Norway and over the southeast of France.

TEMPERATURE — Highest 54° at Perpignan, 53° on the southwestern, and 50° on the southern coasts of the British Isles.
Lowest 32° at Belfort, 33° at Munich, 34° at Berlin, 35° in the south of Sweden, and 36° in the east of Scotland.
Thermometer not much changed at the southern stations, but fallen fast in the north and northwest of the British Isles.

WIND — Light to moderate from N. and E. over the south and east of France. Variable from the W.ward over the United Kingdom, and blowing a fresh gale from SW. over the northwestern parts of Norway. In the extreme west of Ireland the wind is S.

WEATHER — Varies greatly. Dull and rainy in Norway, and also in the southwest of our Islands, fine and bright in Scotland, with the west and south of France, foggy over North Germany. The cold wind in the north appears to be spreading southwards.

SEA — Rough off the northwest of Norway, moderate at the mouth of the Channel, smooth or nearly so elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is rising decidedly over our northern districts and in a smaller degree elsewhere. The ridge which extends northwards over the United Kingdom from the anticyclone in France appears to be forming into an independent system, while a large depression in the far north seems to be moving eastwards towards Lapland and Finland.

FORECASTS

for the 24 hours ending at NOON on 22nd Nov.r *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH		6 SCOTLAND WEST	
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	None issued	8 ENGLAND S.W.	None issued
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Fredk Dangerfield, Lith. London, SW.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·08	48	48	SSE	4	rf	5	Holyhead ...	30·20	53	51	SW	5	bcq	4
Sumburgh Head	29·74	51	49	SSW	3	r	4	Valencia	30·13	55	54	SSW	4	o	6
Stornoway ...	29·86	45	44	WNW	4	r	5	Scilly	30·28	53	51	ESE	5	op	4
Aberdeen ...	29·94	54	51	SSW	6	cq	2	Dungeness ...	30·34	53	53	WNW	2	r	1
Shields	30·13	54	50	SW	4	c	2	London	30·34	55	52	WSW	2	ow	*
Ardrossan ...	30·02	52	51	SSW	5	o	4	Yarmouth ...	30·30	51	50	SW	1	cf	2
Malin Head ...	29·92	53	52	SSW	4	o	6	Jersey	30·37	53	50	SSW	2	c	3
Mullaghmore ...	29·98	54	53	SSW	6	org	5	Rochefort ...	30·38	56	50	E	5	b	2
Belmullet ...	30·03	49	49	N	6	r	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that a well formed anticyclonic band containing two maxima, lay in a SW-NE direction over the whole of Spain, France, the Netherlands, the south-east of England and the Baltic. Within this band readings were as high as 30·3 ins: to 30·4 ins:; and while to the NW^rd they decreased to 29·7 ins: in the Hebrides, to the SW^rd they decreased to about 29·9 ins: over Greece and the Balkan Peninsula. The consequence was, that strong to moderate SW^rly winds, with mild, showery weather were experienced over Northwestern Europe, while N^rly and NE^rly winds, with cloudy weather and a great deal of rain were observed over Central and Southern Europe. Temperature varied from about 60° between the Spanish coasts and Algiers, and from upwards of 50° over the whole of the British Isles to somewhat below 40° over the greater part of France and Germany and to below 20° over Finland. The highest readings reported were 60° at Algiers and Oran, 56° at Palermo, 55° at Alicante and Barcelona and 54° at Valencia; the lowest 16° at Haparanda, 18° at Uleaborg, and 30° at Hernosand.

During the day the anticyclone in France began to extend northwards, in the form of a ridge, over the British Isles, temperature began to fall in the north, and the SW^rly winds in the west decreased in force.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Monday 22nd November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.68	36	W	6	b	29.85	+.21	37	33	0	NW	4	b	*	37	32	0.20
	Hernösand ...	30.05	34	Z	0	b	30.17	+.31	39	35	0	N	2	b	*	41	33	-
	Stockholm ...	30.07	38	NNE	2	n	30.17	+.10	33	32	− 2	N	4	b	*	41	27	0.16
	Wisby	29.98	39	NNW	4	n	30.09	+.02	42	39	+ 7	NE	6	b	*	43	34	0.16
	Bodö	29.68	49	SW	9	n	30.08	+.61	40	39	− 3	NSW	6	n	3	43	39	0.16
	Christiansund...	30.21	44	W	6	b	30.29	+.35	44	42	+ 1	SW	3	b	6	45	41	0.04
	Skudesnaes ...	30.33	41	NNE	2	b	30.39	+.25	37	36	− 8	NNW	1	c	3	45	?	-
	Christiania Fjord (Farder)	30.24	40	NNW	4	b	30.36	+.45	34	33	− 13	NNW	2	b	0	50	34	-
	Skagen (The Scaw)	30.19	45	NE	5	b	30.33	+.37	42	39	− 6	NE	1	b	1	48	41	0.04
	Fanö	30.22	41	NNW	2	b	30.32	+.24	39	37	− 9	NNW	2	b	*	8	39	-
BRITISH ISLANDS.	Sumburgh Head	30.30	44	Z	0	c	30.23	+.01	45	43	0	S	1	c	2	48	39	-
	Stornoway ...	30.29	46	S	4	b	30.17	−.15	50	49	+ 12	S	6	ogm	6	50	36	-
	Wick	30.36	40	Z	0	b	30.25	−.08	45	43	+ 7	S	2	bc	1	47	36	-
	Nairn	30.36	43	Z	0	b	30.26	−.08	39	37	− 1	Z	0	b	1	46	29	-
	Aberdeen... ...	30.37	36	SW	1	b	30.33	−.02	38	36	+ 2	SW	1	b	1	45	34	-
	Leith ...	30.42	40	WNW	1	bc	30.37	−.01	37	37	0	W	1	f	*	46	30	-
	Shields	30.42	45	NNW	2	b	30.41	+.06	36	35	− 7	SW	1	mw	2	50	32	-
	Spurn Head ...	30.40	45	N	2	b	30.44	+.13	41	41	− 7	NNW	1	b	2	49	40	-
	York	30.42	42	SW	1	b	30.47	+.10	32	32	− 15	Z	0	f	*	50	28	-
	Loughborough	30.43	45	NE	1	b	30.49	+.16	31	31	− 18	Z	0	f	*	51	29	0.01
	Ardrossan ...	30.39	41	ENE	1	b	30.34	−.03	44	44	+ 6	ENE	2	of	2	47	37	0.01
	Malin Head ...	30.27	46	S	3	o	30.24	−.11	50	49	+ 10	SSW	3	og	3	50	40	-
	Mullaghmore .	30.28	50	SSE	4	o	30.26	−.07	52	51	+ 9	SSW	5	ogm	1	53	42	-
	Belmullet ...	30.25	50	S	4	o	30.25	−.05	52	52	+ 7	SSW	3	om	*	52	45	0.13
	Donaghadee ...	30.38	44	SE	2	bc	30.36	−.01	46	46	− 1	SW	3	b	1	50	43	-
	Barrow-in-Furness	30.39	45	NE	1	c	30.40	+.05	44	43	− 1	E	3	n	*	49	42	0.03
	Liverpool (Bidston)	30.41	45	ESE	2	b	30.42	+.06	44	43	− 1	SE	2	o	3	49	43	0.02
	Holyhead ...	30.37	47	Z	0	bm	30.40	+.04	49	48	+ 1	S	1	cwm	1	51	47	0.08
	Parsonstown ...	30.34	50	Z	0	o	30.36	+.01	48	47	0	SSE	1	c	*	52	46	-
	Valencia	30.29	53	SSE	4	og	30.36	+.03	54	53	+ 2	SSW	3	o	3	54	52	0.06
	Roche's Point...	30.34	52	SSW	3	c	30.37	+.02	52	51	0	S	1	bc	3	53	50	0.01
	Pembroke ...	30.39	51	WSW	2	o	30.42	+.05	49	49	− 2	ESE	4	c	3	54	49	0.04
	Scilly	30.35	53	Z	0	o	30.41	+.06	52	48	− 1	E	1	o	2	54	50	-
	Prawle Point ...	30.41	51	N	1	o	30.45	+.06	49	47	− 2	E	2	og	3	53	47	0.03
	Jersey	30.38	51	NNW	1	o	30.42	+.02	48	47	+ 2	NE	2	bem	2	?53	?46	-
	Hurst Castle ...	30.38	51	Z	0	m	30.46	+.10	41	40	− 9	NE	2	bm	1	51	38	0.01
	Dungeness ...	30.32	52	NE	4	o	30.41	+.09	43	43	− 7	NNE	2	o	1	53	40	-
	London	30.39	48	NNW	1	o	30.48	+.13	32	32	− 17	SE	1	f	*	51	32	-
	Oxford	30.45	38	Z	0	bc	30.50	+.14	32	32	− 15	Z	0	f	*	50	32	0.02
	Cambridge ...	30.43	41	Z	0	b	30.49	+.16	?34	?34	− 14	Z	0	c	*	50	33	-
	Yarmouth ...	30.36	47	NNE	3	bc	30.45	+.17	45	43	− 2	NNE	1	bc	4	49	43	-
GERMANY.	Cuxhaven ...	30.14	42	N	5	bc	?30.30	+.16	41	40	− 3	NNE	4	bc	*	45	39	0.16
	Berlin	30.13	37	Z	0	n	30.18	−.10	41	41	+ 7	WNW	2	f	*	43	34	*
	Wiesbaden ...	*	*	*	*	*	30.30	−.08	39	37	+ 3	N	1	b	*	41	?	0.28
	Munich	30.29	29	NW	3	b	30.21	−.15	33	32	0	SW	4	s	*	37	28	0.08
FRANCE & NETHERLANDS.	The Helder ...	30.32	47	N	3	bc	30.38	+.14	46	44	− 4	N	1	c	2	51	45	0.08
	Brussels	*	*	*	*	*	30.39	+.05	44	41	− 4	N	1	c	*	50	44	0.08
	Cape Gris Nez...	30.31	50	N	7	o	30.41	+.09	49	45	− 1	NNE	4	o	3	54	43	-
	Paris	30.35	47	NW	1	o	30.38	−.03	39	38	− 6	N	1	bc	*	51	39	-
	Brest	30.40	49	E	3	m	30.41	+.01	48	45	+ 2	Z	0	o	2	55	43	-
	Lorient	30.40	51	ESE	1	b	30.43	+.02	48	47	+ 3	ESE	1	o	3	57	43	-
	Rochefort ...	30.41	51	NE	4	c	30.40	−.06	45	44	+ 3	NE	4	c	2	57	37	-
	Belfort	30.26	32	W	1	o	30.22	−.20	40	39	+ 8	SW	1	o	*	41	30	0.04
	Lyons	30.32	42	N	1	b	30.26	−.12	42	40	+ 7	NNW	1	n	*	47	?	-
	Nice	30.02	47	E	4	b	30.01	−.13	47	40	+ 3	E	4	bc	1	55	41	-
PENINSULA.	Perpignan ...	30.17	55	NW	4	bc	30.19	−.08	53	45	− 1	NW	5	b	*	65	49	-
	Biarritz	30.35	56	N	3	b	30.34	+.02	45	43	− 4	E	3	m	0	59	39	-
	Corunna‡... ...	*	*	*	*	*	30.24	−.06	42	42	+ 1	E	3	b	4	56	39	-
	Lisbon	30.22	58	NNE	5	b	30.21	−.07	47	45	+ 1	N	4	b	2	61	46	-

For Explanation of Columns, see p. 4. ‡ Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Monday, 22nd November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shown thus*
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
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York	29·847
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Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
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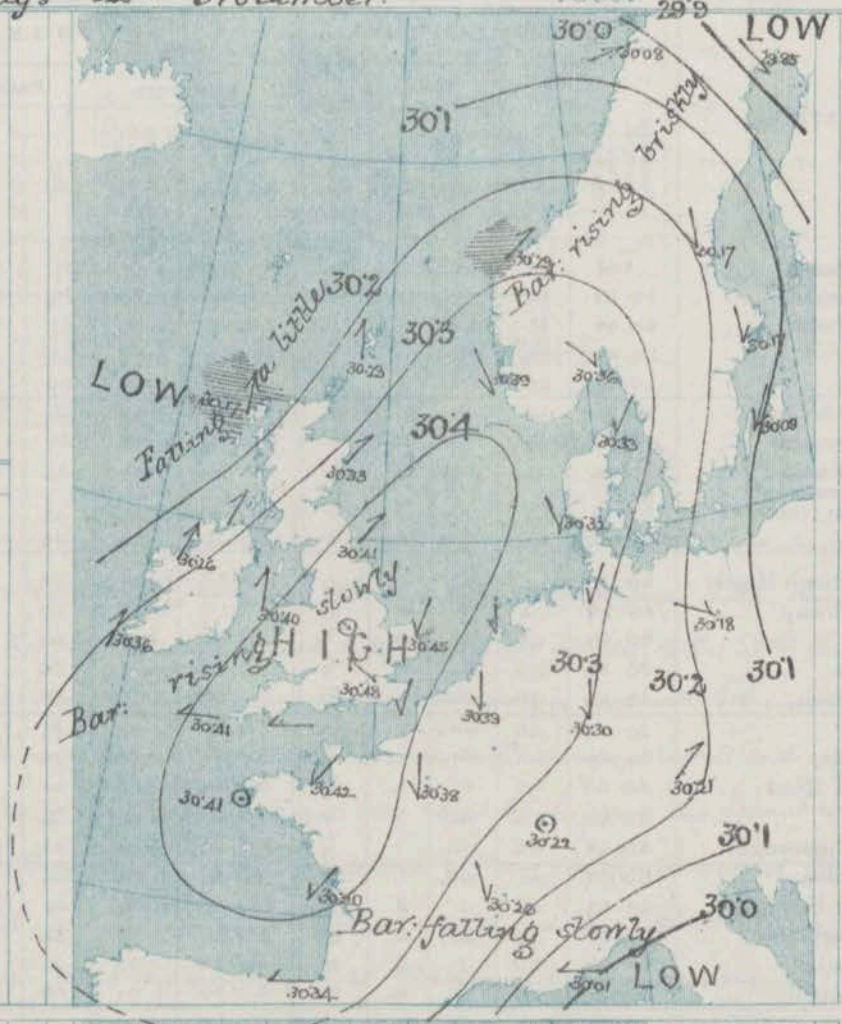
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10°. Changes since previous morning are stated in words.*

Weather *is shown by Letters of the Beaufort Scale.*

Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	At 8 a.m. Wet	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
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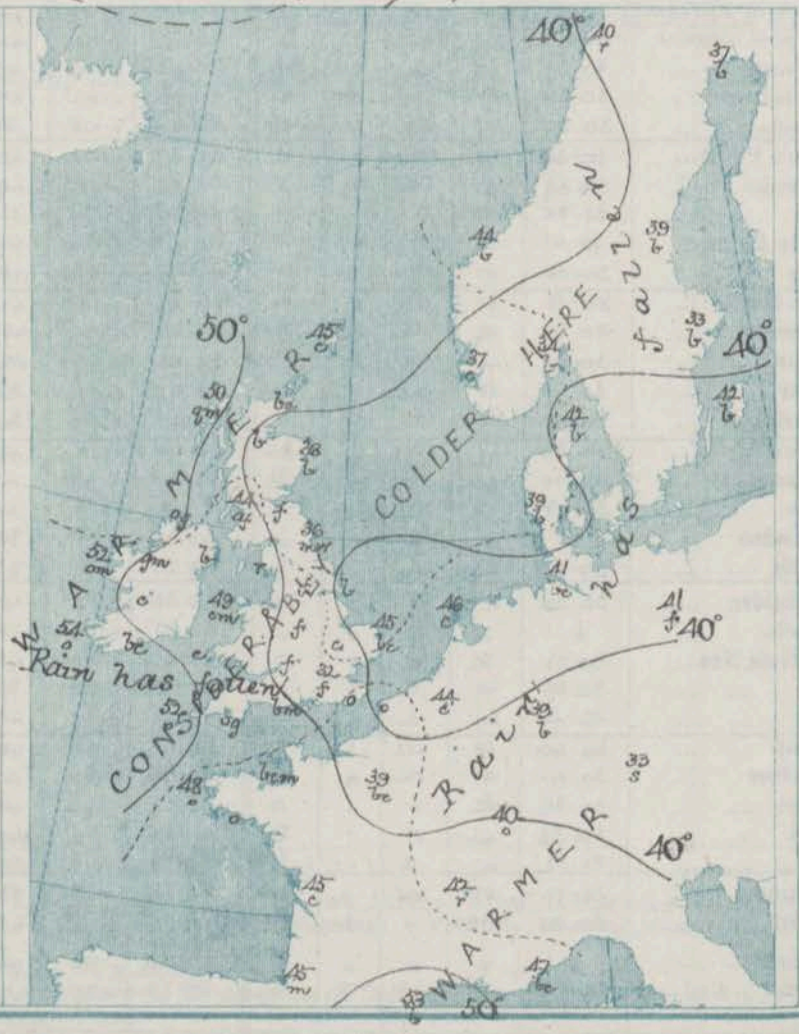
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins. to 30·5 ins., in an anticyclone lying over the North Sea, England, and the N.W. of France.
Lowest, 30·0 ins. at Nice, and 30·2 ins. at Stornoway.
Gradients are slight except in the south of France.

TEMPERATURE — Highest, 52° to 54° in the west and south of Ireland.
Lowest, 31° to 34° over the inland counties of England, 33° at Munich and Stockholm and 37° at Haparanda.
Except in Germany, it has fallen during the night and over the north of England the fall has been rapid.

WIND — Moderate from S. in Ireland and west of Scotland, and from S.W. in Norway.
Moderate N. in the Baltic, Denmark and France.
Light N.E. in the Channel, calm over England.

WEATHER — Fair to dull in west and north. Very foggy over England. Fine at most Continental stations, but raining at Lyons. Snow at Munich.

SEA — is very little disturbed except off the northwest of Scotland, where it is rough.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising in the west, and the rise is apparently spreading northwards. Under these circumstances the anticyclone will probably spread northeastwards; the wind in Ireland is therefore likely to become light, and the weather colder and foggy.

Over the southeast of France the mercury is falling (apparently owing to the advance northwards of a depression, the centre of which lay over the southern parts of the Adriatic on Sunday). This fall will, very likely, spread northwards later on, and cause some increase in the N.E. winds over our southeastern counties, with clearer weather.

Calms and fogs are still likely over our northern and western midlands.

FORECASTS

for the 24 hours ending at NOON on 23rd Nov. 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.W. breezes, moderate; fair generally, but occasionally showery.	6 SCOTLAND WEST	S.W. breezes, light; fair.
1 SCOTLAND EAST	Calms and S.W. airs; fine some fog.	7 ENGLAND N.W.	---- D° ---- D° ---- D° ----
2 ENGLAND N.E.	---- D° ---- D° ---- D° ----	8 ENGLAND S.W.	Same as No. 5.
3 ENGLAND EAST	Same as No. 5.	9 IRELAND NORTH	S. breezes, perhaps shifting to S.W., light or moderate; fine, colder.
4 MIDLAND COUNTIES	Same as No. 5.	10 IRELAND SOUTH	---- D° ---- D° ---- D° ----
5 ENGLAND SOUTH	Calms and variable airs; chiefly N.E.; cold, dry, with local fogs.	WARNINGS	None issued.

Frank Danger, printed, Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.25	45	43	N 4	c	4	Holyhead ...						
Sumburgh Head							Valencia						
Stornoway ...							Scilly						
Aberdeen ...							Dungeness ...						
Shields							London						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey						
Mullaghmore ...							Rochefort ...	30.42	55	51	E 4	bc	2
Belmullet ...						*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure was somewhat high over the whole of Western, Central and Eastern Europe, the highest of all (30.3 to 30.4 ins) being found over France and the British Islands. To the southward readings decreased to about 29.9 ins over the southern parts of the Adriatic, while to the northward they decreased to 29.5 ins over the northern parts of Scandinavia. W'ly (SW to NW) winds were consequently prevalent over Northern Europe accompanied by mild, cloudy and rather showery weather, while in the southern parts the winds were N'ly or NE'ly, and blew a gale over some parts of the Adriatic, but with fair weather. Temperature varied from a little above 50° over the Mediterranean and on the extreme south-western coasts of the British Islands, to rather below the freezing point over some parts of Central Europe as well as over Finland. The highest individual readings were 61° at Tunis (Algeria) 59° at Palma, 53° at Scilly and 52° at Valencia and Cagliari; the lowest 18° at Archangel, 29° at St Petersburg and Wisaborg 32° at Belfort and Cassel.

During the day an anticyclone was formed over the British Islands, and as night came on temperature fell over Western Europe generally, but most decidedly over England. Over Germany, however, it rose. The depression over the Adriatic began to move northwards, so that while rain fell at Lyons snow was reported at Munich.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 14TH TO THE 20TH NOVEMBER 1886.

The weather of the past week has been much finer than of late, for although rain has fallen on most days, the amounts have, as a rule, been slight and the showers have been separated by long intervals of fair weather.

During the greater part of the time depressions have moved in a northerly or north-easterly direction along our western and northern coasts, and the prevailing winds have, therefore, varied between S and W. The disturbances have, however, been comparatively shallow, and no gales of importance have occurred. On some occasions the main systems have been accompanied by subsidiary disturbances, the centres of which have advanced more directly over the country. The most important of these was observed on the 17th, when a small but well-defined depression advanced rapidly from the westward across Ireland and England, and subsequently passed away in a north-easterly direction to the neighbourhood of the Skager Rack. As the centre of this disturbance passed over England, the wind rose to a moderate gale from the westward in the Channel, and heavy rain fell at some of our southern and eastern stations. In the rear of the system the wind for a time drew into NW, and on the night of the 18th sharp frost occurred in many parts of Great Britain.

On the 19th a large anticyclone was found over France, and in the course of the ensuing twenty-four hours this extended northwards and eastwards over the south of our islands, the eastern shores of the North Sea and Central Europe. A very mild current of wind from the southward or south-westward now became general, but at the close of the week, when some shallow depressions passed over our northern districts, the wind in the rear drew into NW on our north-west coasts, with a decided fall of temperature.

ATLANTIC TELEGRAM

The Chief Signal Officer at Washington U.S. reports that:—

On November 19th in Lat 43° N, Long: 65° W the barometer fell to 29.5 ins at 4 pm, during a "whole gale" in which the wind shifted from S to W.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 23rd November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 6.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	30·21	26	NW	0	b	30·19	+·32	33	31	− 4	NW	0	c	*	37	25	-
	Hernösand ...	30·32	36	NW	0	b	30·39	+·22	31	30	− 8	NW	0	b	*	41	30	-
	Stockholm ...	30·30	33	N	2	bc	30·41	+·24	30	29	− 3	W	2	c	*	39	28	-
	Wisby	30·22	41	N	4	b	30·32	+·23	40	39	− 2	ENE	4	b	*	43	39	-
	Bodö	30·10	41	SW	2	o	29·96	−·12	47	44	+ 7	SW	8	r	5	?	37	0·08
	Christiansund...	30·29	43	NW	0	c	30·24	−·05	50	45	+ 6	SW	3	o	5	50	39	-
	Skudesnaes ...	30·45	44	ESE	2	o	30·50	+·11	45	42	+ 8	ESE	4	o	3	46	37	-
	Christiania Fjord (Færder)	30·41	40	NW	0	b	30·48	+·12	36	36	+ 2	NW	0	b	1	?	?	-
	Skagen (The Scaw)	30·43	40	NW	0	b	30·47	+·14	33	31	− 9	NW	0	o	0	43	32	-
	Fanö	30·48	33	NW	0	b	30·54	+·22	36	35	− 3	NW	0	c	*	43	30	-
BRITISH ISLANDS.	Sumburgh Head	30·24	48	S	1	o	30·31	+·08	48	48	+ 3	NW	0	o	1	49	44	0·01
	Stornoway ...	30·25	51	SSW	5	m	30·34	+·14	50	50	0	SSW	4	om	5	51	46	0·02
	Wick	30·27	51	S	1	o	30·37	+·12	43	41	− 2	S	1	b	0	51	41	-
	Nairn	30·29	44	NW	0	c	30·38	+·12	45	43	+ 6	WSW	1	bc	1	52	37	-
	Aberdeen... ...	30·33	43	SSW	1	c	30·41	+·08	34	33	− 4	WSW	1	bm	0	45	33	-
	Leith ...	30·40	46	W	1	m	30·48	+·11	46	45	+ 9	WSW	1	bm	*	48	36	0·01
	Shields	30·42	44	SW	1	m	30·52	+·11	46	45	+ 10	NW	0	f	2	46	33	-
	Spurn Head ...	30·48	44	SW	2	c	30·55	+·11	40	39	− 1	SSW	2	b	2	45	38	-
	York	30·47	41	SSE	1	o	30·57	+·10	40	40	+ 8	SSE	1	f	*	43	32	0·01
	Loughborough	30·50	38	ESE	1	b	30·58	+·09	36	35	+ 5	SE	1	om	*	47	31	-
	Ardrossan ...	30·37	49	ENE	1	of	30·48	+·14	48	48	+ 4	S	2	of	2	50	43	-
	Malin Head ...	30·32	49	SW	2	b	30·48	+·24	50	50	0	S	1	bom	1	51	46	0·15
	Mullaghmore .	30·34	51	SW	2	c	30·46	+·20	50	48	− 2	SW	1	b	2	55	49	0·05
	Belmullet ...	30·33	51	S	2	om	30·48	+·23	50	50	− 2	SW	3	bc	*	52	50	0·05
	Donaghadee ...	30·39	50	SW	2	o	30·50	+·14	48	48	+ 2	SW	2	o	0	50	45	0·05
	Barrow-in-Furness	30·42	46	SSE	3	o	30·52	+·12	45	45	+ 1	SSE	2	fd	*	48	44	0·21
	Liverpool (Bidston)	30·46	44	SE	2	b	30·54	+·12	44	43	0	SE	1	f	2	47	43	0·03
	Holyhead ...	30·43	51	S	2	om	30·52	+·12	50	49	+ 1	SSW	1	m	1	51	49	0·04
	Parsonstown ...	30·41	52	NW	0	o	30·55	+·19	49	48	+ 1	NW	0	c	*	54	47	0·03
	Valencia	30·42	54	SW	3	o	30·53	+·17	52	50	− 2	SSE	4	bc	4	55	49	-
	Roche's Point...	30·42	52	S	1	o	30·54	+·17	50	48	− 2	W	1	bc	3	55	48	-
	Pembroke ...	30·46	50	SE	2	o	30·56	+·14	50	49	+ 1	S	2	rm	3	52	49	0·06
	Scilly	30·43	53	NNW	1	o	30·52	+·11	51	50	− 1	SSW	1	o	3	56	50	-
	Prawle Point ...	30·46	47	ENE	2	o	30·56	+·11	43	42	− 6	NNE	1	b	2	49	41	-
	Jersey	30·45	46	NE	2	bm	30·52	+·10	48	46	0	NE	2	om	2	51	44	-
	Hurst Castle ...	30·49	42	ENE	3	m	30·56	+·10	36	36	− 5	NE	2	m	0	49	32	-
	Dungeness ...	30·44	46	NNE	2	c	30·52	+·11	43	43	0	NNE	4	c	2	49	42	-
	London	30·50	40	NE	1	om	30·58	+·10	29	29	− 3	NW	0	f	*	48	29	-
	Oxford	30·53	33	NW	0	f	30·61	+·11	29	29	− 3	NW	0	f	*	37	29	-
	Cambridge ...	30·50	39	NW	0	b	30·60	+·11	29	29	− 5	NW	0	b	*	46	28	-
	Yarmouth ...	30·48	46	NW	0	c	30·56	+·11	44	42	− 1	N	1	bc	3	47	42	-
GERMANY.	Cuxhaven ...	30·38	42	NE	2	b	30·53	+·23	40	40	− 1	NE	1	b	*	42	37	-
	Berlin	30·36	44	NNE	3	o	30·47	+·29	35	34	− 6	N	1	bc	*	46	34	*
	Wiesbaden ...	*	*	*	*	*	30·48	+·18	43	41	+ 4	ENE	1	o	*	45	39	-
	Munich	30·35	35	NW	0	f	30·39	+·18	34	33	+ 1	NW	2	o	*	36	32	0·04
FRANCE & NETHERLANDS.	The Helder ...	30·45	44	N	1	b	30·54	+·16	36	36	− 10	E	1	f	1	48	36	-
	Brussels	*	*	*	*	*	30·53	+·14	40	40	− 4	NNE	3	o	*	49	37	-
	Cape Gris Nez...	30·41	49	ENE	5	o	30·49	+·08	43	42	− 6	E	3	bc	2	52	43	?
	Paris	30·43	39	N	1	b	30·49	+·11	36	36	− 3	N	3	o	*	49	33	-
	Brest	30·42	51	NW	0	o	30·50	+·09	40	38	− 8	NE	3	b	3	54	39	-
	Lorient	30·46	49	NE	4	b	30·54	+·11	42	39	− 6	ENE	4	b	2	54	39	-
	Rochefort ...	30·45	46	NE	5	o	30·45	+·05	48	?	+ 3	NE	5	b	2	55	34	-
	Belfort	30·29	39	ENE	1	o	30·34	+·15	37	35	− 3	NE	3	o	*	43	34	-
	Lyons	30·28	42	N	5	r	30·39	+·13	37	35	− 5	N	5	o	*	44	36	-
	Nice...																	
	Perpignan ...	30·19	51	NW	5	b	30·28	+·27	43	40	− 10	SW	3	b	*	57	41	-
	Biarritz	30·35	51	NNE	3	b	30·45	+·11	41	38	− 4	E	1	b	1	54	37	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30·16	61	N	4	b	30·21	·00	48	44	+ 1	NNE	5	b	2	64	46	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 23rd November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

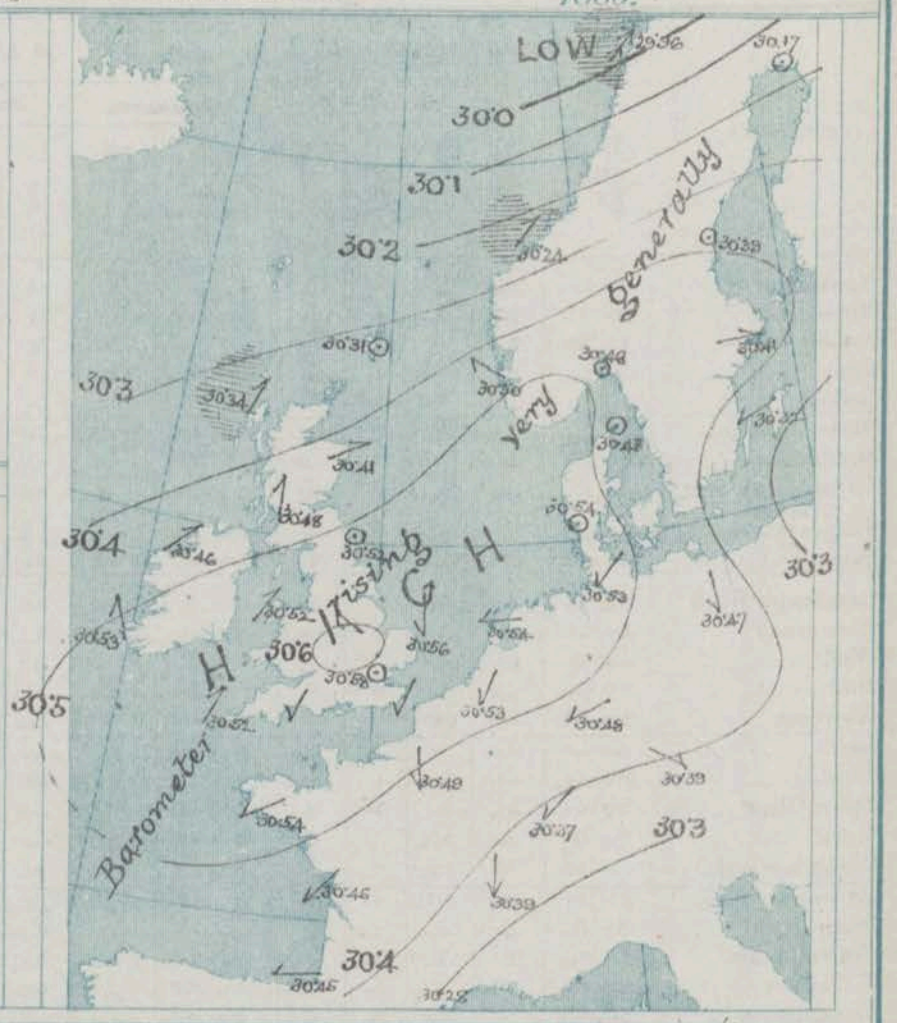
⟫⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — where considerable is shewn thus
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November.
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

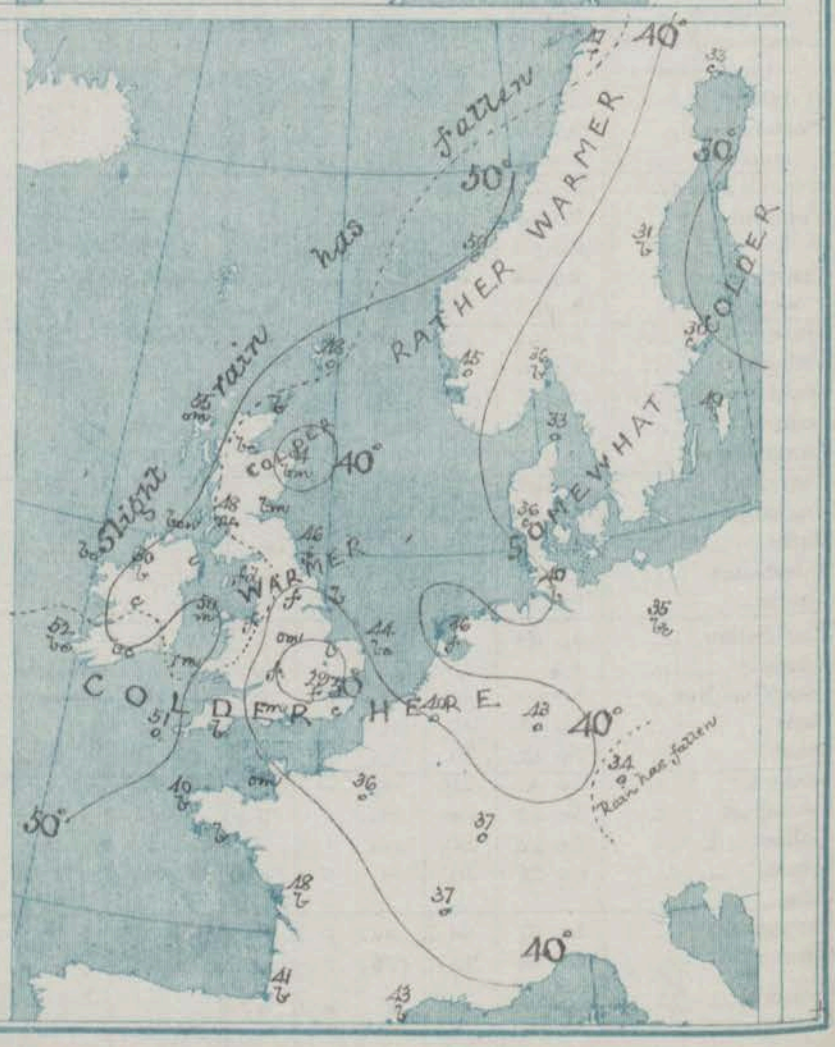
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE – The Temperature means are for the 10 years 1871–80, the Rainfall means are mainly those for the 20 years 1866–85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·5 ins. to 30·6 ins. in a large anticyclone lying over the British Isles, the north of France and the North Sea. Lowest, 29·96 ins. in the north of Norway, and about 30·2 ins. in the south-east of France. Gradients slight except in the far north. Barometer rising except in the north of Norway.

TEMPERATURE — Highest, 50° to 52° in the west of Ireland and the Scilly Islands. Lowest, 29° over the home counties of England, 30° to 33° in Sweden, and about 35° at the German stations. Vardö (within the Arctic Circle) is 18° warmer, and Valencia 23° warmer, than London.

WIND — Light from S. and SW. on our western and northern coasts. Light to moderate from NE. in the south and south-east. Calm over Central England. A SW. gale is reported in the north of Norway.

WEATHER — Fine in the west and north, dull over France and Germany. Very foggy over England, — especially in London.

SEA — Smooth or nearly so except in the Minch.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising at all our own, the French, and the German stations; and although a fall is in progress over the northern parts of Norway it is not likely to affect the pressure at our own stations at present. There is therefore no indication of any important change.

FORECASTS

for the 24 hours ending at NOON on 24th Novr. 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. breezes, light; fine generally.	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	SW. to NW. airs; fair, fog at times.	7 ENGLAND N.W.	Light S. breezes and calms; fine generally fog in several places.
2 ENGLAND N.E.	----D°---------D°---------D°------	8 ENGLAND S.W	----D°---------D°---------D°------
3 ENGLAND EAST	Calms and varying airs; foggy, cold.	9 IRELAND NORTH	----D°---------D°---------D°------
4 MIDLAND COUNTIES	----D°---------D°---------D°------	10 IRELAND SOUTH	----D°---------D°---------D°------
5 ENGLAND SOUTH	Calms and light NE. breezes; foggy, cold.	WARNINGS	None issued.

Frederk Dangerfield, Lith. London, N.W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30·40	46	44	ENE 1	c	3	Holyhead ...	30·41	50	49	S 2	o m	1
Sumburgh Head	30·28	48	45	S 1	c	2	Valencia	30·39	55	52	S 4	o	4
Stornoway ...	30·21	51	51	SSW 5	d	5	Scilly	30·41	54	49	W 0	o	2
Aberdeen ...	30·30	43	41	SSW 1	b	1	Dungeness ...	30·43	49	46	N 3	c	1
Shields	30·41	43	42	SW 1	o	2	London	30·45	49	43	W 0	f	*
Ardrossan ...	30·35	50	49	ENE 1	c	1	Yarmouth ...	30·46	49	44	NNE 2	bcv	3
Malin Head ...	30·29	50	50	S 3	o	2	Jersey	30·44	49	46	ESE 2	bc	2
Mullaghmore ...	30·29	54	52	SSW 3	c	2	Rochefort ...	30·41	53	50	NNE 5	b	2
Belmullet ...	30·30	51	50	SSW 3	o	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning reports showed that a large anticyclone, in which readings varied from 30·4 ins. to 30·5 ins. lay over Western Europe. Thence a broad band of high readings ("Col") extended in an easterly direction to Russia, where there was apparently another large high pressure system. With this distribution of pressure it is evident that calms and light variable airs were prevalent over all parts of Central Europe, while N. to NE. breezes were experienced in France, and SW. breezes in the extreme northwest. Temperature ranged from a little above 50° over the Mediterranean and in the west and south of Ireland to a little below the freezing point over Northern Europe and Western Russia. Over the central parts of England also the readings ranged from 31° to 34°. The highest individual readings were 56° at Barcelona, and 54° at Valencia (Ireland) and Cagliari; the lowest 31° at Archangel, St. Petersburgh, and Loughborough.

During the day no important change occurred over Western Europe; thick fog prevailed in London almost all day.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 24th Nov. *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, **R. H. SCOTT,** *Secretary.*

	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
				Wind.			Barometer.		Shade Temp.			Wind.				Shade Temp.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Direc.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Max.	Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
Scandinavia	Haparanda ..	29·88	38	W	6	0	29·63	− ·54	40	38	+ 7	W	6	b	*	?	21	0·12
	Hernösand ...	30·18	35	S	2	0	29·97	− ·42	43	40	+ 12	SW	2	0	*	?	28	—
	Stockholm ...	30·41	33	Z	0	bc	30·18	− ·23	35	34	+ 5	WSW	2	0	*	37	28	—
	Wisby	30·41	35	NE	4	b	30·25	− ·07	38	?	− 2	W	3	0	*	43	34	—
	Bodö	29·65	46	WSW	8	r	29·73	− ·23	37	35	− 10	WSW	8	0	5	2	36	0·59
	Christiansund...	30·06	53	SW	9	r	30·19	− ·05	48	45	− 2	WNW	8	c	b	54	45	0·24
	Skudesnaes ...	30·53	46	SSE	4	0	30·43	− ·07	48	48	+ 3	WSW	1	0	3	?	?	—
	Christiania Fjord (Færder)	30·45	40	WSW	2	b	30·28	− ·20	43	41	+ 7	WSW	6	c	1	?	?	—
	Skagen (The Scaw)	30·47	45	WNW	3	c	30·34	− ·13	47	46	+ 14	WNW	6	c	4	?	?	—
	Fanö	30·59	42	NW	2	0	30·57	+ ·03	45	44	+ 9	W	3	c	*	46	36	—
British Islands	Sumburgh Head	30·38	57	WSW	4	c	? 30·48	+ ·17	50	50	+ 2	WSW	3	f	3	52	44	0·02
	Stornoway ...	30·44	50	SSW	4	b	30·56	+ ·22	50	49	0	SW	4	cg	4	53	47	—
	Wick	30·45	49	Z	0	b	30·52	+ ·15	50	47	+ 7	Z	0	c	0	55	41	—
	Nairn	30·47	50	SW	2	bc	30·55	+ ·17	49	47	+ 4	WSW	3	c	2	54	43	—
	Aberdeen... ...	30·48	39	SW	1	b	30·57	+ ·16	39	38	+ 5	WSW	1	b	0	46	33	0·01
	Leith	30·55	50	WSW	1	c	30·61	+ ·13	51	49	+ 5	W	2	b	*	53	44	—
	Shields	30·57	46	Z	0	b	30·64	+ ·12	47	46	+ 1	WSW	1	mw	1	51	44	—
	Spurn Head ...	30·61	45	S	2	0	30·68	+ ·13	44	43	+ 4	WSW	1	cgm	2	45	38	—
	York	30·60	45	SSE	1	0	30·69	+ ·12	44	43	+ 4	S	1	f	*	46	38	—
	Loughborough	30·62	44	E	1	0	30·71	+ ·13	41	40	+ 5	NW	1	om	*	47	36	—
	Ardrossan ...	30·57	50	Z	0	0	30·67	+ ·19	50	49	+ 2	NW	3	c	2	50	47	—
	Malin Head ...	30·55	50	SW	2	0	30·69	+ ·21	50	50	0	WSW	3	od	3	53	49	0·01
	Mullaghmore .	30·56	51	SSW	1	b	30·71	+ ·25	51	50	+ 1	SW	2	om	2	? 57	46	—
	Belmullet ...	30·56	52	SSW	3	0	30·73	+ ·25	51	51	+ 1	SW	1	ag	*	53	50	0·01
	Donaghadee ...	30·60	51	SSE	1	bc	30·72	+ ·22	46	46	− 2	WNW	2	f	0	53	38	0·01
	Barrow-in-Furness	30·60	48	ENE	2	f	30·65	+ ·13	48	48	+ 3	NE	2	f	*	48	44	0·04
	Liverpool (Bidston)	30·62	48	SE	1	f	30·72	+ ·18	48	47	+ 4	WSW	1	o	2	48	43	0·01
	Holyhead ...	30·60	50	Z	0	m	30·72	+ ·20	48	48	− 2	SSW	1	cm	1	51	48	0·01
	Parsonstown ...	30·62	51	Z	0	c	30·77	+ ·22	35	34	− 14	Z	0	f	*	53	35	—
	Valencia	30·63	52	S	1	bc	30·74	+ ·21	42	41	− 10	ENE	1	b	1	56	41	—
	Roche's Point...	30·61	52	N	1	bc	30·71	+ ·17	45	44	− 5	N	1	b	2	57	43	—
	Pembroke ...	30·63	49	E	1	m	30·73	+ ·17	45	44	− 5	NNE	1	cm	1	58	44	0·03
	Scilly	30·57	50	WNW	4	0	30·66	+ ·14	48	44	− 3	E	4	bc	4	51	46	0·02
	Prawle Point ...	30·59	47	NNE	1	c	30·70	+ ·14	40	39	− 3	NNE	2	bc	2	54	38	—
	Jersey	30·54	47	NE	2	bc	30·63	+ ·11	42	42	− 6	ENE	2	bcm	2	51	41	—
	Hurst Castle ...	30·60	41	N	2	m	30·71	+ ·15	35	35	− 1	NE	2	m	0	47	34	—
	Dungeness ...	30·54	46	NNE	4	c	30·64	+ ·12	43	42	0	NNE	2	bc	2	48	40	—
	London	30·63	29	Z	0	f	30·71	+ ·13	28	28	− 1	Z	0	f	*	35	28	—
	Oxford	30·67	32	NE	1	b	30·75	+ ·14	28	28	− 1	Z	0	f	*	44	28	—
	Cambridge ...	30·64	35	Z	0	b	30·74	+ ·14	28	27	− 1	Z	0	f	*	44	27	—
	Yarmouth ...	30·60	47	NE	2	bc	30·58	+ ·12	38	38	− 6	Z	0	bf	3	48	33	—
Germany	Cuxhaven ...	30·55	39	W	1	0	? 30·61	+ ·08	41	41	+ 1	WSW	2	o	*	41	39	—
	Berlin	30·56	40	NE	1	b	30·58	+ ·11	36	35	+ 1	NW	1	o	*	43	34	—
	Wiesbaden ...	*	*	*	*	*	?	?	36	34	− 7	N	1	b	*	46	34	—
	Munich	30·46	33	SE	3	0	30·52	+ ·13	31	30	− 3	NE	2	s	*	37	30	—
France & Netherlands	The Helder ...	30·65	37	E	1	b	30·69	+ ·15	33	33	− 3	SE	1	b	1	41	?	—
	Brussels	*	*	*	*	*	?	?	31	?	− 9	?	1	f	*	43	30	—
	Cape Gris Nez...	30·42	39	E	1	b	30·65	+ ·16	34	34	− 9	E	3	m	1	46	34	—
	Paris	30·53	40	N	3	0	30·60	+ ·11	34	34	− 2	NE	3	m	*	42	34	—
	Brest	30·54	46	NE	3	b	? 30·60	+ ·10	40	39	0	NE	3	b	2	52	39	—
	Lorient	30·53	48	ENE	4	0	30·61	+ ·07	41	39	− 1	NE	4	b	2	52	39	—
	Rochefort ...	30·49	44	ENE	5	0	30·50	+ ·05	40	38	− 8	ENE	5	b	2	48	36	—
	Belfort	30·40	47	NE	3	bc	30·48	+ ·11	38	36	+ 1	N	3	b	*	42	31	—
	Lyons	30·38	39	NNW	5	b	30·41	+ ·02	33	32	− 4	NNW	4	bc	*	42	33	—
	Nice	30·17	47	E	1	b	30·23		43	39		E	4	b	3	57	39	—
	Perpignan ...	30·18	47	NW	3	b	30·30	+ ·02	41	37	− 2	W	3	b	*	55	37	—
	Biarritz	30·40	47	WSW	3	0	30·41	− ·04	35	33	− 6	ESE	4	m	2	50	34	—
Peninsula	Corunna ... ... †	*	*	*	*	*	30·34	+ ·02	45	43	− 4	E	1	b	4	57	39	—
	Lisbon	30·20	54	NNE	5	b	30·25	+ ·04	45	41	− 3	NNE	5	b	2	63	45	—

For Explanation of Columns, see p. 4. † Received too late for insertion in Chart.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY. 24TH *November* 1886.

BAROMETER, WIND & SEA.

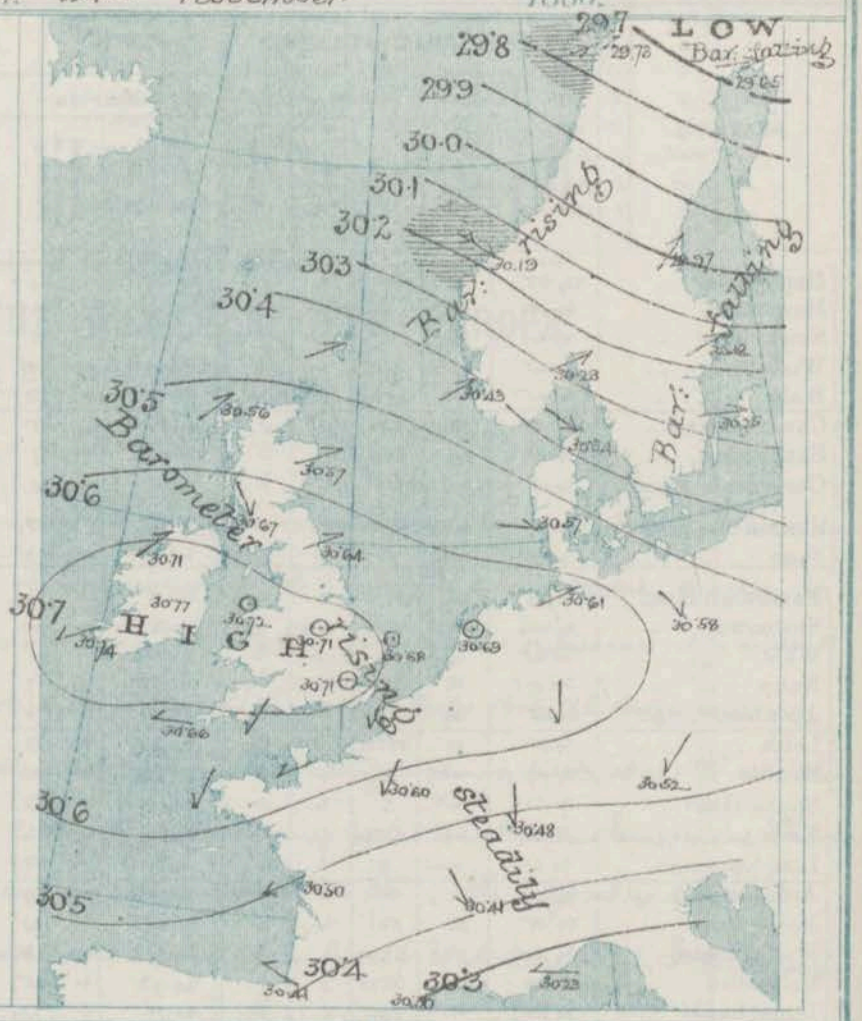
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

Sea Disturbance — *where considerable is shown thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November.
During the 10 Years 1871—1880.

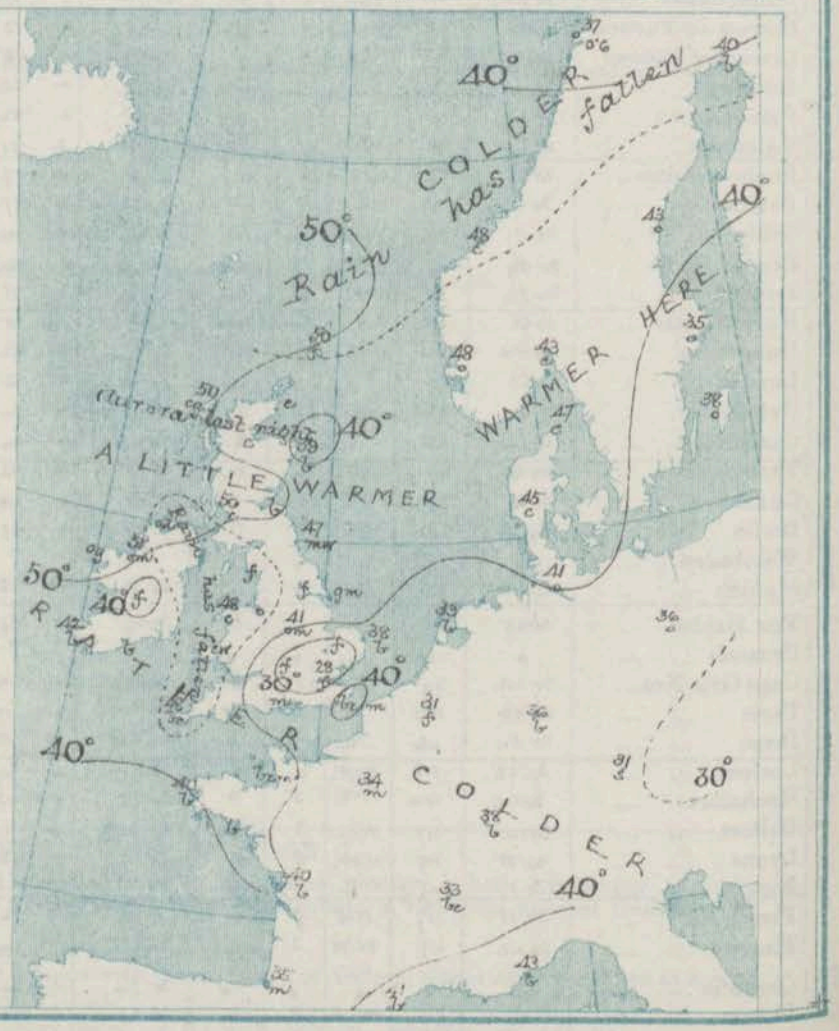
STATIONS.	MEAN READINGS. in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·809
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10°. Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

Rainfall. — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30.75 ins at Lerwick, 30.77 ins at Parsonstown and 30.74 ins at Valencia.
Lowest, 30.23 ins at Nice, 30.19 ins at Christiansund and 29.65 ins at Haparanda.
Gradients slight, except over northern half of Scandinavia, where there is a large depression moving eastwards.

TEMPERATURE — Highest, 50° to 51° on our extreme north-western coasts and at Lemburgh Head.
Lowest, 25° in Alford, Cambridge and in London — 31° at Munich, 35° at Biarritz and 37° at Bodø.
Considerable local variations are observed in London and the suburbs.

WIND — Light to moderate from NE and N over France, the Channel and Bay of Biscay.
Light from SW in our north-western and northern coasts, calms at the central stations.
A gale from W. now prevails in the north-western parts of Norway.

WEATHER — Fine in Ireland, the Netherlands and greater part of France; very foggy over England, cloudy and unsettled in the northern parts of Scandinavia.

SEA — Smooth or nearly so except in the far north and at Lerwick.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is still rising slowly on all our coasts — more in the west and north-west than elsewhere. At present there is no indication of any important change.

FORECASTS

for the 24 hours ending at NOON on 25th November *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ly and W.ly winds, fair as a whole.	6 SCOTLAND WEST	W.ly breezes, light; fair, fogs locally.
1 SCOTLAND EAST	Light W.ly airs and calms; fine, fog at times.	7 ENGLAND N.W.	---------- D° ---------- D° ----------
2 ENGLAND N.E.	---------- D° ---------- D° ----------	8 ENGLAND S.W	Same as No. 5.
3 ENGLAND EAST	Calms and variable airs; foggy, cold.	9 IRELAND NORTH	Same as No. 6.
4 MIDLAND COUNTIES	---------- D° ---------- D° ----------	10 IRELAND SOUTH	Same as No. 5.
5 ENGLAND SOUTH	NE.ly airs and calms; foggy, cold.	WARNINGS	None issued.

Wm. Dangerfield, Lith. London, E.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·52	44	41	ESE	4	o	3
Sumburgh Head	30·50	51	49	WSW	2	c	2
Stornoway ...	30·38	52	51	SW	5	bc	5
Aberdeen ...	30·44	43	42	L	0	b	0
Shields	30·53	51	48	L	0	cm	2
Ardrossan ...	30·52	50	50	SW	1	o	1
Malin Head ...	30·52	50	50	SW	2	o	2
Mullaghmore ...	30·52	52	50	L	0	b	1
Belmullet ...	30·51	52	51	SSW	3	o	*

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Holyhead ...	30·56	50	50	SSW	1	m	1
Valencia	30·58	55	51	S	3	cv	3
Scilly	30·52	50	49	W	3	o	4
Dungeness ...	30·54	49	49	NNE	4	c	2
London	30·58 *	38	37	L	0	f	*
Yarmouth ...	30·56	49	45	NNE	2	bv	3
Jersey	30·52	50	49	NE	3	bc	3
Rochefort ...	30·50	45	43	NE	5	o	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday showed that a large anticyclone, in which readings varied from 30·5 ins. to 30·6 ins., lay over Western Europe, whence readings decreased in value to 29·9 ins. over South-Eastern Europe and the Black Sea. NE and N breezes were consequently prevalent over the Continent, while calms and (in the NW) SW breezes were experienced in the British Isles. The weather was very foggy over the United Kingdom, with slight rain at times in the west and northwest, cloudy over France and Germany, with showers in some localities. Temperature ranged from upwards of 50° in the west and south of Ireland and on some of the shores of the Mediterranean to considerably below the freezing point over Finland and Sweden, and to a little below the freezing point over the Central parts of Spain and England. It was decidedly lower at the inland stations generally than at those on the coasts. The highest individual readings were 57° at Palma, 56° at Alicante, 55° at Constantinople, and 52° at Valencia (Ireland); the lowest 18° at Uleaborg, 27° at Kuopio and Archangel, 29° in London and 30° at Madrid.

During the day a large depression advanced over the north of Scandinavia from the westward, producing W. gales and rain in those regions. Elsewhere little change was observed – dense fog prevailed at times in many parts of the United Kingdom – especially in and around London.

*Temperature observations taken in Victoria St. In the south of London the maximum during the day was no higher than 32°.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCAND:NAVIA.	Haparanda ..	29.59	29	W	4	b	29.62	-.01	33	30	-7	NW	6	b	*	41	28	-
	Hernösand ...	30.04	40	N	6	b	30.01	+.04	34	30	-9	N	4	b	*	46	?	-
	Stockholm ...	30.08	39	N	2	o	30.12	-.06	33	30	-2	N	4	bc	*	39	32	-
	Wisby	30.09	43	W	4	o	30.10	-.15	41	36	+3	ENE	4	b	*	45	34	-
	Bodö	29.86	37	W	9	m	29.90	+.17	37	35	0	W	6	o	3	37	30	0.63
	Christiansund...	30.80	42	WNW	4	o	30.05	-.14	42	41	-6	SSW	3	n	5	?	37	0.08
	Skudesnaes ...	30.86	48	WNW	2	n	30.33	-.10	48	48	0	WNW	4	n	4	?	48	-
	Christiania Fjord (Færder)	30.17	45	NSW	2	bc	30.23	-.05	40	38	-3	NNW	2	bc	1	45	39	-
	Skagen (The Scaw)	30.22	45	NW	3	b	30.19	-.15	44	43	-3	E	1	bc	1	48	43	-
	Fanö	30.36	48	NW	4	o	30.27	-.30	48	48	+3	NW	6	o	*	48	45	-
BRITISH ISLANDS.	Sumburgh Head	30.42	49	NSW	4	b	30.38	-.00	49	48	-1	NSW	5	n	4	50	46	0.05
	Stornoway ...	30.62	51	NSW	3	om	30.62	+.06	49	48	-1	SSW	2	b	2	53	47	-
	Wick	30.57	50	NW	2	o	30.54	+.02	50	48	0	NW	4	o	1	55	40	-
	Nairn	30.60	52	NSW	2	b	30.58	+.03	50	48	+1	NSW	2	bc	1	54	47	-
	Aberdeen... ...	30.61	42	NSW	1	bm	30.58	+.01	42	41	+3	2	0	bm	0	52	35	-
	Leith ...	30.63	50	W	1	b	30.61	.00	47	46	-4	W	1	bm	*	53	46	-
	Shields	30.63	49	W	2	bc	30.59	-.05	45	44	-2	SW	1	bemw	1	54	43	-
	Spurn Head ...	30.65	47	WNW	1	f	30.59	-.09	43	43	-1	NW	2	bm	2	47	42	-
	York	30.66	45	W	1	b	?30.62	-.07	35	35	-9	NW	1	b	*	53	32	-
	Loughborough	30.68	47	NW	1	o	30.63	-.08	34	34	-7	SE	1	f	*	47	33	-
	Ardrossan ...	30.68	51	NW	3	b	30.65	-.02	49	49	-1	NW	4	bw	3	52	48	-
	Malin Head ...	30.73	50	W	3	f	30.72	+.03	50	50	0	NW	3	o	3	51	50	0.02
	Mullaghmore .	30.77	50	Z	0	om	30.74	+.03	50	50	-1	Z	0	f	0	52	47	0.02
	Belmullet ...	30.78	52	S	1	f	30.76	+.03	51	51	0	SW	1	f	*	52	50	0.03
	Donaghadee ...	30.74	51	WNW	2	o	30.69	-.03	51	50	+5	NNE	4	c	2	51	45	-
	Barrow-in-Furness	30.66	48	NNW	2	b	30.63	-.02	39	39	-9	NE	1	f	*	49	38	0.01
	Liverpool (Bidston)	30.71	49	WNW	2	o	30.65	-.07	48	48	0	WNW	2	o	3	50	48	-
	Holyhead ...	30.74	51	N	1	o	30.68	-.04	51	50	+3	NNW	3	bw	2	54	48	-
	Parsonstown ...	30.79	48	Z	0	o	30.75	-.02	48	47	+13	Z	0	f	*	50	34	-
	Valencia	30.77	46	W	1	b	30.74	.00	46	45	+4	Z	0	o	1	55	40	-
	Roche's Point...	30.75	48	N	1	b	30.72	+.01	49	48	+4	Z	0	c	2	58	44	-
	Pembroke ...	30.73	50	NNE	1	c	30.66	-.07	52	51	+7	NNE	2	c	1	52	45	-
	Scilly	30.68	49	ENE	4	bc	30.64	-.02	51	49	+3	ENE	4	o	4	51	47	0.01
	Prawle Point ...	30.71	41	NNE	3	b	30.65	-.05	47	46	+7	N	1	og	1	51	36	-
	Jersey	30.64	46	ENE	3	bm	30.62	-.01	43	42	+1	ENE	2	om	2	47	41	-
	Hurst Castle ...	30.72	42	NNE	2	m	30.63	-.08	46	45	+11	NNE	1	om	0	46	34	-
	Dungeness ...	30.66	45	E	2	bc	?30.59	-.05	40	40	-3	NNE	2	f	1	48	33	-
	London	30.69	30	Z	0	f	30.62	-.09	36	36	+8	W	1	of	*	39	28	-
	Oxford	30.71	42	NW	1	o	30.64	-.11	46	45	+18	NNW	1	o	*	46	28	-
	Cambridge ...	30.69	38	S	1	o	30.61	-.13	39	38	+11	NW	1	b	*	44	27	-
	Yarmouth ...	30.66	42	NW	2	bcm	30.55	-.13	47	46	+9	NW	3	bm	2	47	36	-
GERMANY.	Cuxhaven ...	30.49	41	SW	1	bc	30.33	-.28	47	46	+6	N	4	n	*	48	41	0.06
	Berlin	30.45	39	WNW	2	o	30.21	-.27	44	43	+8	WNW	1	n	*	45	?	*
	Wiesbaden ...	*	*	*	*	*	30.46	?	39	38	+3	W	1	n	*	41	?	-
	Munich	30.54	29	Z	0	b	30.48	-.06	26	26	-5	W	5	f	*	36	23	-
FRANCE & NETHERLANDS.	The Helder ...	30.59	48	WNW	1	c	30.47	-.22	49	48	+16	NNW	4	c	3	50	?	-
	Brussels	*	*	*	*	*	30.50	?	41	40	+10	?NNW	3	o	*	?	?	-
	Cape Gris Nez...	30.68	36	ESE	1	m	30.54	-.11	48	47	+14	NW	1	m	0	?	?	-
	Paris	30.51	35	N	3	m	30.58	-.02	35	34	+1	NNW	3	m	*	43	32	-
	Brest	30.62	44	NE	3	b	30.62	+.02	39	36	-1	NE	4	b	3	52	39	-
	Lorient	30.61	41	NE	5	b	30.62	+.01	41	38	0	ENE	5	bc	2	46	37	-
	Rochefort ...	30.55	42	NE	7	b	30.52	+.02	34	33	-6	NE	7	bc	2	48	30	-
	Belfort	30.47	39	NE	4	b	30.46	-.02	33	32	-5	NNE	4	c	*	41	28	-
	Lyons	30.45	36	N	5	b	30.45	+.04	31	29	-2	NW	4	bc	*	39	29	-
	Nice...	30.19	46	SSW	1	b	30.25	+.02	38	34	-5	E	1	b	4	55	36	-
	Perpignan ...	30.35	40	NW	4	b	30.34	+.04	42	37	+1	NW	4	o	*	47	35	-
	Biarritz	30.46	43	E	3	o	30.42	+.01	35	32	0	ESE	4	m	1	46	32	—
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.19	53	NNE	3	b	30.20	-.05	44	40	-1	NNE	5	b	2	57	43	—

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 25th November 1886

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10,
⟶ = forces 5 to 7, ⟶ = forces 1 to 4,
⊙ = dead calm.

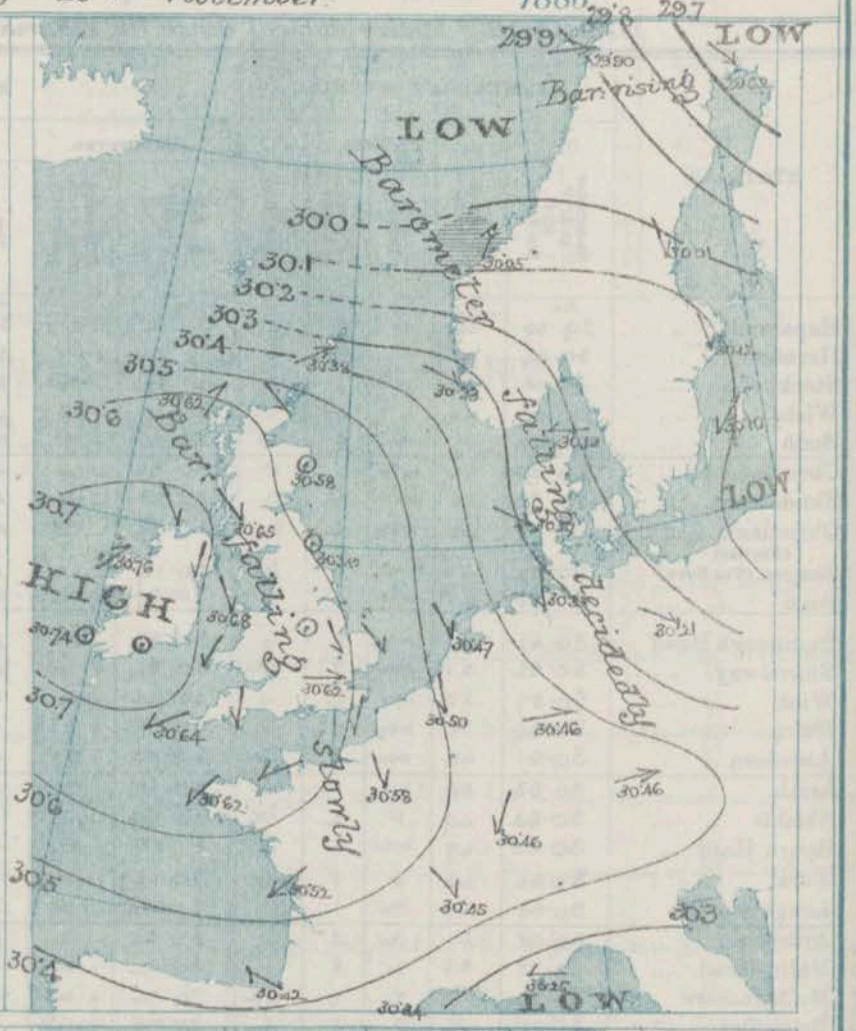
Sea Disturbance — *where considerable is shewn thus*

= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS in.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

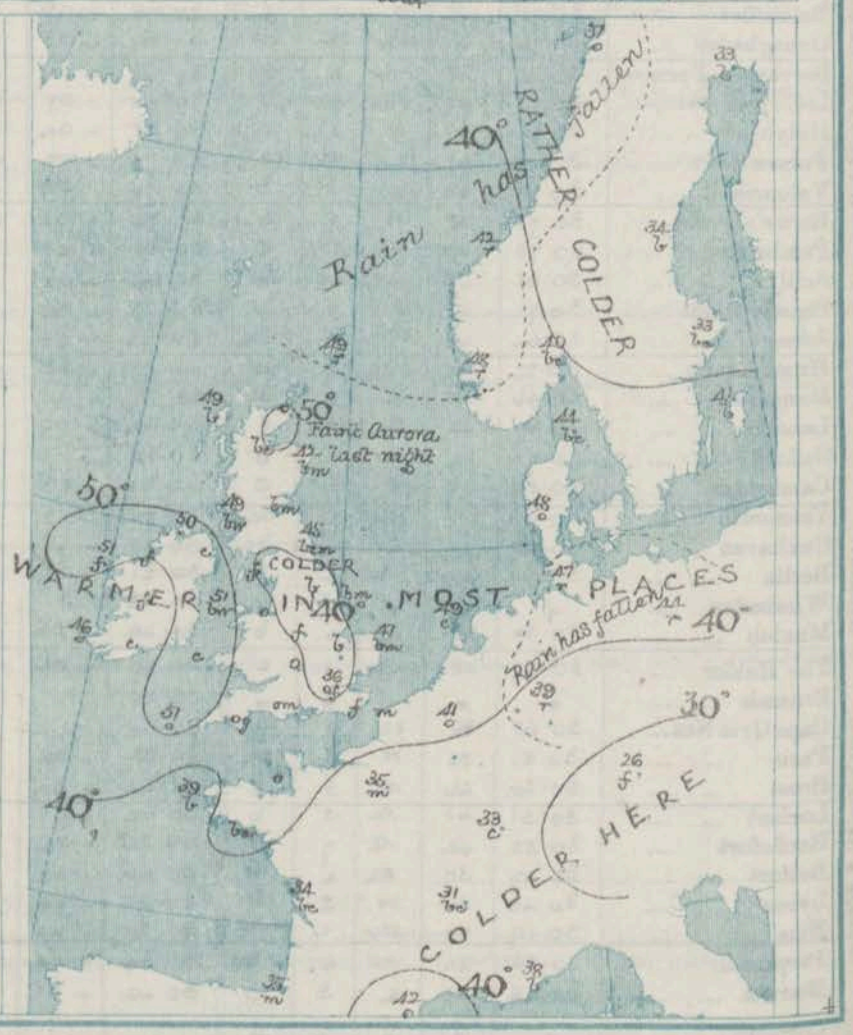
Rainfall. *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	At 8 a.m. Wet.	RAINFALL. (Inches)
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·90
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·0	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·70 ins: to 30·75 ins: over Ireland.
Lowest, 30·25 ins: at Nice, and 29·6 ins: over Finland.
Gradients are slight in our Islands and France, moderate over the North Sea and Scandinavia.

TEMPERATURE — Highest, 50° to 51° in the north of Ireland, and at Scilly, and 52° at Pembroke.
Lowest, 26° at Munich, 31° at Lyons, 33° in the north of Sweden, 34° to 36° over Central England.
It has risen decidedly over the southern parts of Ireland and England during the past twenty-four hours.

WIND — Calm in Ireland, – moderate W^ly at some of our northern stations – light NW^ly in the east.
N^ly in the south, and fresh NE^ly over the Bay of Biscay. Over Northern Europe it is strong from W.

WEATHER — Still foggy over England and Ireland, fine in Scotland and over the greater part of France, rainy in the west of Norway and over North Germany.
Aurora was seen in the east of Scotland last night.

SEA — Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With this distribution of pressure, depressions which arrive off the west of Norway from the westward, are likely to move south-eastwards and cause an increase in the strength of the W^ly and NW^ly winds in the north and east, with rain at times. A great decrease in the amount of fog over England is likely.

FORECASTS

for the 24 hours ending at NOON on 26th NOVEMBER 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly and NW^ly winds, strong; rain at times	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	W^ly and NW^ly breezes, moderate and light; fair.	7 ENGLAND N. W.	Light N^ly and NW^ly breezes; foggy to fair.
2 ENGLAND N.E.	------D°------D°------D°------	8 ENGLAND S. W	------D°------D°------D°------
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	------D°------D°------D°------
4 MIDLAND COUNTIES	NW^ly airs; foggy to fair, becoming milder.	10 IRELAND SOUTH	------D°------D°------D°------
5 ENGLAND SOUTH	N^ly to W^ly breezes, light; fair as a whole.	WARNINGS	None issued.

Fredk Dangerfield, Lith. London, W.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·40	49	49	WNW	2	n f	3	Holyhead ...	30·74	51	50	N	1	o	1
Sumburgh Head	30·38	50	50	NNW	3	f	3	Valencia	30·77	55	52	SW	1	b m	2
Stornoway ...	30·62	52	51	NNW	4	n m	4	Scilly	30·68	50	46	ENE	4	b	4
Aberdeen ...	30·58	46	45	NNW	1	b	0	Dungeness ...	30·66	47	46	E	2	b c	1
Shields	30·62	54	51	NNW	1	b c	1	London	30·70	38	36	E	0	f	*
Ardrossan ...	30·69	52	51	NW	3	c	2	Yarmouth ...	30·67	46	44	NW	2	b	2
Malin Head ...	30·72	51	51	W	2	f	4	Jersey	30·64	46	44	ENE	3	b c	3
Mullaghmore ...	30·76	51	51	W	1	o m	2	Rochefort ...	30·52	46	43	NE	1	c	2
Belmullet ...	30·77	52	52	SSW	3	o f	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that the large anticyclone noticed on Tuesday still lay over the British Isles, and had increased in height – the maximum readings reported at 8 am being 30·77 ins: at Parsonstown and 30·75 ins: at Oxford. From this region a wide band of high readings (or col) extended eastwards over the Baltic and Central Europe to Russia, the readings at Warsaw and Riga being as high as 30·4 ins:. Westerly (SW to NW) winds prevailed over Northern Europe generally, and blew strongly in several places, with rain at times, while over the southern counties the winds were E. and NE., and of little strength, and the weather was fair. Within the region covered by the anticyclone and col the weather was cold and dry but dense fogs prevailed over many parts of the United Kingdom. Snow fell at Lemberg. Temperature varied from a little above 50° over the southern parts of the Mediterranean and on the northwest coasts of the British Isles to a little below the freezing point over Russia and Hungary, as well as over Central Spain, the Netherlands, and the home counties of England. The highest individual readings were 57° at Palermo, 54° at Algiers, 52° at Oporto, and 50° or 51° at Belmullet, Malin Head, Stornoway and Sumburgh Head; the lowest 23° at Archangel, 28° at Oxford, Cambridge and London, 29° at Moscow and 30° at Madrid.

During the day the anticyclone over the British Isles began to move slowly to the westward, and the W. breeze in the north began to spread southwards, while N. airs set in over England, and temperature showed a tendency to rise. Thick fog however, continued to prevail over England and Ireland.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 26th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.50	24	Z	0	0	29.73	+.11	23	22	- 10	N	2	c	*	36	28	-
	Hernösand ...	29.42	33	SSW	2	b	29.78	-.23	33	32	- 1	N	2	0	*	41	32	0.04
	Stockholm ...	29.69	37	WNW	4	c	29.62	-.50	39	36	+ 6	NW	4	0	*	41	32	-
	Wisby	29.86	42	SW	4	c	29.63	-.47	45	40	+ 4	WNW	6	b	*	?	37	-
	Bodö																	
	Christiansund...	29.85	46	WNW	9	n	30.00	-.05	44	40	+ 2	W	6	n	6	48	39	0.47
	Skudesnaes ...	30.21	49	NW	8	n	30.13	-.20	45	41	- 3	NW	8	0	5	?	?	-
	Christiania Fjord (Færder)	29.86	48	WSW	8	b	29.91	-.32	46	41	+ 6	WNW	4	b	2	?	?	-
	Skagen (The Scaw)	29.91	48	NW	6	c	29.88	-.31	48	44	+ 4	NNW	4	bc	3	48	43	-
	Fanö	30.19	48	NW	6	c	30.11	-.16	48	45	0	NW	6	b	*	48	46	-
BRITISH ISLANDS.	Sumburgh Head	30.30	49	WNW	5	0	30.30	-.08	47	45	- 2	WNW	3	0	4	50	46	0.04
	Stornoway ...	30.59	47	WSW	3	b	30.47	-.15	48	47	- 1	WSW	1	0g	1	53	40	-
	Wick	30.49	50	NW	6	0	30.42	-.12	48	46	- 2	NW	2	0	0	55	41	-
	Nairn	30.56	48	WSW	2	b	30.45	-.13	48	45	- 2	WSW	1	0	1	56	42	-
	Aberdeen... ...	30.50	52	W	4	b	30.47	-.11	46	44	+ 4	W	1	c	0	55	40	-
	Leith ...	30.59	47	W	1	bc	30.50	-.11	35	35	- 12	NW	1	f	*	53	33	-
	Shields	30.56	50	W	1	c	30.51	-.08	37	36	- 8	WSW	1	mw	1	55	35	-
	Spurn Head ...	30.56	47	N	2	b	30.49	-.10	39	39	- 4	NW	3	f	3	48	38	-
	York	30.60	44	NNW	1	b	30.52	-.10	30	30	- 5	NNW	1	f	*	51	30	-
	Loughborough	30.58	43	WNW	1	f	30.54	-.09	40	40	+ 6	W	1	fd	*	45	34	-
	Ardrossan ...	30.60	49	Z	0	b	30.51	-.14	38	38	- 11	Z	0	bfw	0	53	37	-
	Malin Head ...	30.66	51	NNW	3	0	30.53	-.19	47	46	- 3	WNW	1	0m	1	52	46	-
	Mullaghmore .	30.68	51	NNW	1	om	30.54	-.20	48	46	- 2	Z	0	c	0	52	47	-
	Belmullet ...	30.70	51	S	2	of	30.54	-.22	48	46	- 3	SSE	1	0	*	52	47	-
	Donaghadee ...	30.64	51	NE	3	b	30.53	-.16	44	43	- 7	WNW	4	b	2	53	42	-
	Barrow-in-Furness	30.58	40	NE	2	f	30.50	-.13	41	41	+ 2	NE	1	f	*	42	38	0.01
	Liverpool (Bidston)	30.61	47	WNW	1	0	30.53	-.12	44	43	- 4	SSE	1	0	2	50	44	0.01
	Holyhead ...	30.62	49	Z	0	b	30.52	-.16	47	47	- 4	NNE	2	ow	2	52	43	-
	Parsonstown ...	30.69	44	Z	0	f	30.55	-.20	30	30	- 18	Z	0	f	*	54	30	-
	Valencia	30.67	50	Z	0	og	30.52	-.22	44	44	- 2	ESE	1	0	1	53	43	-
	Roche's Point...	30.65	49	N	1	b	30.52	-.20	48	47	- 1	ESE	1	0	2	57	41	-
	Pembroke ...	30.60	50	NNE	2	bc	30.52	-.14	44	44	- 8	ESE	1	f	0	52	44	-
	Scilly	30.56	58	NE	4	c	30.47	-.17	52	49	+ 1	ESE	2	0	2	54	48	-
	Prawle Point ...	30.58	46	NNE	1	0	30.50	-.15	46	44	- 1	NNE	2	og	1	49	44	-
	Jersey	30.54	50	NE	2	om	30.45	-.17	51	50	+ 8	ENE	3	om	3	51	43	-
	Hurst Castle ...	30.56	46	NNE	2	m	30.51	-.12	44	43	- 2	NNE	3	ogm	0	49	42	-
	Dungeness ...	30.50	47	NE	4	0	30.46	-.13	49	48	+ 9	NE	3	0	2	50	39	-
	London	30.56	42	N	2	bf	30.52	-.10	46	45	+ 10	E	2	og	*	52	36	-
	Oxford	30.59	45	NW	2	0	30.53	-.11	45	44	- 1	ENE	2	og	*	47	43	-
	Cambridge ...	30.54	42	N	1	b	30.52	-.09	44	44	+ 5	N	1	0	*	51	37	-
	Yarmouth ...	30.51	48	N	4	bc	30.48	-.07	44	44	- 3	NW	2	f	4	50	43	-
GERMANY	Cuxhaven ...	30.29	43	N	5	0	30.21	-.12	47	46	0	NNW	6	0	*	48	43	-
	Berlin	30.23	45	NNW	2	n	30.06	-.15	46	45	+ 2	NW	5	0	*	46	?	*
	Wiesbaden ...	*	*	*	*	*	30.37	-.09	48	45	+ 9	NW	2	0	*	48	39	0.04
	Munich	30.28	32	W	2	0	30.35	-.11	35	33	+ 9	SW	4	0	*	36	25	-
FRANCE & NETHERLANDS.	The Helder ...	30.45	48	N	3	0	30.39	-.08	48	47	- 1	NNW	4	0	3	50	46	0.04
	Brussels	*	*	*	*	*	30.45	-.05	46	46	+ 5	N	1	n	*	49	?	0.04
	Cape Gris Nez...	30.46	45	NE	5	0	30.46	-.08	50	48	+ 2	NE	7	0	5	?	45	-
	Paris	30.46	46	N	2	b	30.43	-.15	45	45	+ 10	N	1	0	*	47	?	-
	Brest	30.56	47	NE	3	m	30.45	-.17	49	48	+ 10	E	3	m	2	52	37	-
	Lorient	30.53	46	ENE	5	b	30.44	-.18	48	46	+ 7	E	4	0	2	50	38	-
	Rochefort ...	30.49	43	NE	7	bc	30.39	-.13	46	46	+ 12	ENE	7	0	2	?	?	-
	Belfort	30.38	34	NNE	1	0	30.38	-.08	36	34	+ 3	WNW	1	0	*	40	30	-
	Lyons	30.41	33	NNW	3	b	30.41	-.04	33	33	+ 2	SSE	1	f	*	38	?	-
	Nice...	30.23	44	Z	0	b	30.25	.00	41	35	+ 3	E	3	b	1	52	36	-
	Perpignan ...	30.29	42	NW	3	b	30.34	.00	29	29	- 13	SW	3	b	*	53	29	-
	Biarritz	30.38	40	N	3	b	30.33	-.09	35	32	0	SE	3	m	1	43	32	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon						30.08	-.12	42	39	- 2	NNE	7	b	2	55	41	-

For Explanation of Columns, see p. 1.

WEATHER CHARTS

for 8 a.m. on Friday, 26th November 1886.

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(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevailed winds. They fly with the wind and their barbs and feathers refer to force, thus —*

= forces above 10, = forces 8 to 10;
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MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
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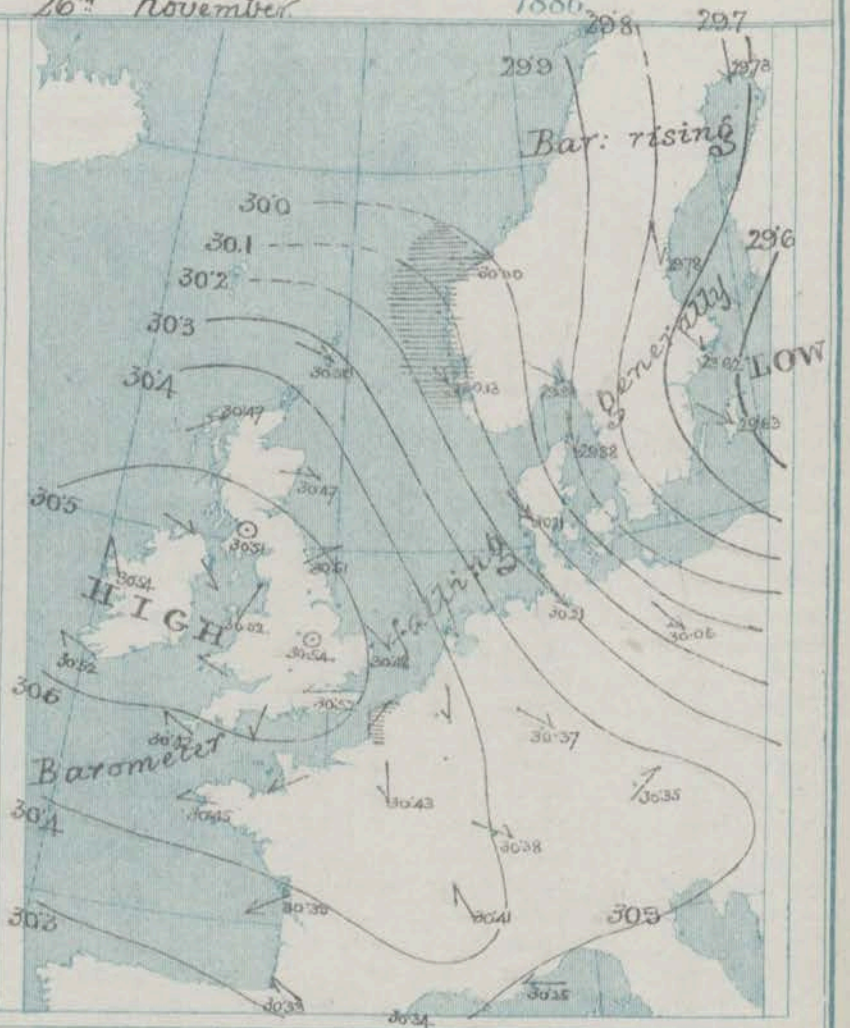
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·873
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

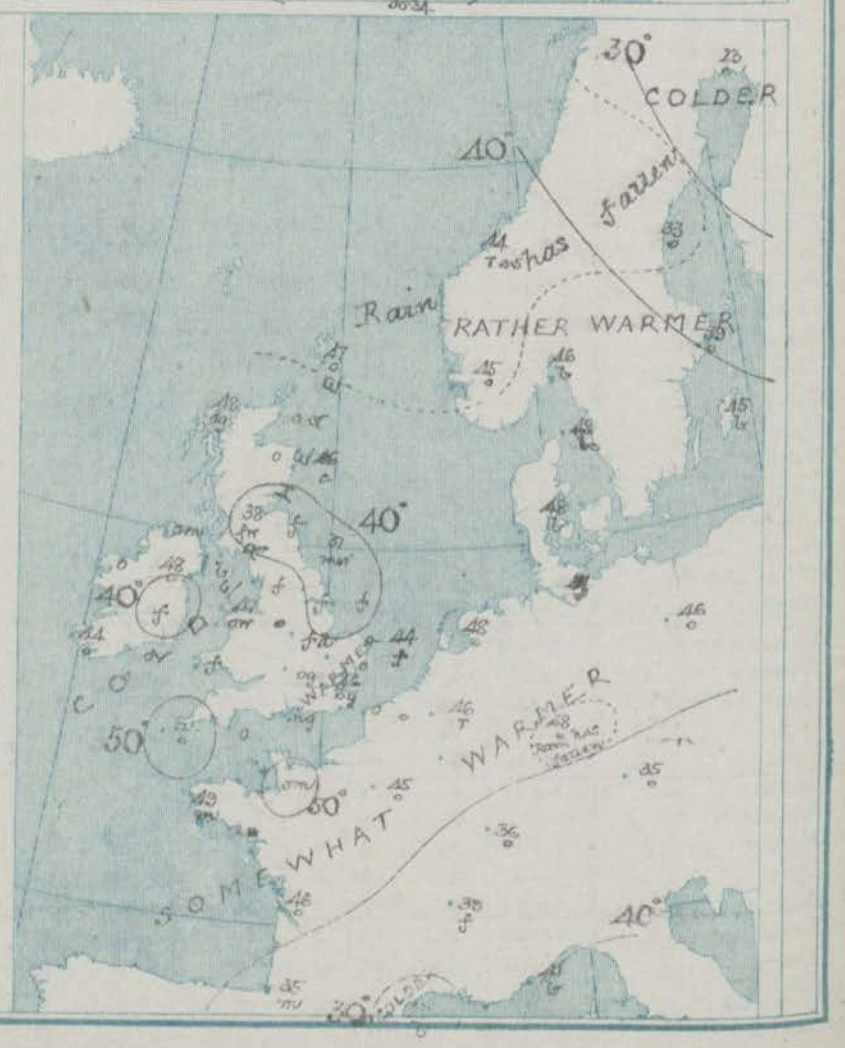
Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*
Weather is shown by Letters of the Beaufort Scale.
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE - The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·50 ins. to 30·55 ins. in an anticyclone whose central parts lie over Ireland and England. Lowest, 30·08 ins. at Lisbon, 29·73 ins. at Haparanda, and 28·63 ins. at Wisby. Gradients moderate over Germany and the eastern shores of the North Sea. Barometer falling except over the north of Sweden and Norway.

TEMPERATURE — Highest, 52° at Scilly, 48° at Wick, Stornoway and Belmullet. Lowest, 23° at Haparanda, 30° at Parsonstown, 35° at Leith, Wiesbaden, Munich, and Biarritz. The thermometer is now falling over the north of Sweden with N. winds.

WIND — Extremely light and variable over the inland parts of Ireland and England, light W. at our northern stations, light NE. in the south. It is strong from NW. on the eastern shores of the North Sea and over Germany.

WEATHER — Dull, gloomy, and foggy over the British Isles, unsettled in Norway, with rain at Christiansund; very dull in France and Germany.

SEA — Smooth or nearly so except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer is falling except over the northern parts of Scandinavia, the changes are too uniform for the anticyclone to have undergone much alteration in form. A continuation of foggy, gloomy, weather is therefore likely over the British Isles, with light winds and calms.

FORECASTS

for the 24 hours ending at NOON on 27th November *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. (SW to NW) breezes; cloudy, unsettled.	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	..... D° ..... D° ..... D°	7 ENGLAND N. W.	Calms and varying breezes; dull, foggy.
2 ENGLAND N. E.	NW. breezes, light; foggy, dull.	8 ENGLAND S. W	Same as No 5
3 ENGLAND EAST	..... D° ..... D° ..... D°	9 IRELAND NORTH	Calms and variable airs; foggy, cold.
4 MIDLAND COUNTIES	..... D° ..... D° ..... D°	10 IRELAND SOUTH	..... D° ..... D° ..... D° .....
5 ENGLAND SOUTH	NE. winds, moderate or light; dull, foggy at times.	WARNINGS	None issued.

Frederk Dangerfield, Lith. London, SE.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30·29	48	48	NNW 4	nf	3
Sumburgh Head	30·31	50	47	W 5	o	5
Stornoway ...	30·61	51	50	W 3	b	2
Aberdeen ...	30·56	51	48	NNW 3	bc	0
Shields	30·59	54	50	S 0	bc	2
Ardrossan ...	30·61	58	51	WNW 4	b	3
Malin Head ...	30·68	51	50	NNW 2	o	3
Mullaghmore ...	30·71	52	51	W 1	o	1
Belmullet ...						*

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Holyhead ...	30·64	51	50	N 3	bc	2
Valencia	30·70	52	51	S 0	om	0
Scilly	30·59	54	51	NE 2	o	4
Dungeness ...	30·49	48	47	NNE 3	f	1
London	30·58	52	48	NNW 1	m	*
Yarmouth ...	30·51	50	49	NNW 3	b	3
Jersey	30·57	47	46	NNW 1	o	1
Rochefort ...	30·49	44	41	NE 4	c	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that the central parts of a well-marked anticyclone, in which readings exceeded 30·7 ins still lay over the British Isles, whence a "ridge" extended south-eastwards across Germany and Austria to the Black Sea. Over Finland and Scandinavia, however, were some shallow depressions, moving, apparently, in a south-easterly direction. The wind was consequently W. and NW. over northern and central Europe, and blew strongly at some stations in Scandinavia and on the coasts of the Baltic, while the weather in those regions was cloudy and showery, with bright intervals. In France, the Bay of Biscay, and the English Channel the wind was NE. and the weather fair, while over England and Ireland calms and N. airs were prevalent, with gloomy clouds and much fog, but with milder weather than that previously experienced. Temperature was as high as 49° to 52° on the western coasts of British Isles, or, in other words, very little different from that prevailing over the southern parts of the Mediterranean. Over Russia, however, and in a zone, which extended thence in a W. direction across Austria, South Germany and France it was below the freezing point, and similar conditions were reported over Central Spain. Madrid, Lyons, Munich, Lemberg, and Budapesth were 20° (or more) colder than the west of Ireland. The highest individual readings were 57° at Malta, 55° at Brindisi, 54° at Alicante, and 51° at Scilly & Belmullet; the lowest 24° at Madrid, 26° at Munich, 30° at Clermont and Lyons and 31° at Lemberg.

During the day the depression in the far north moved eastwards, and the wind over Northern Europe veered to the northward, with a considerable fall of temperature, but over the British Isles the anticyclone still held and very light and variable breezes were still experienced, with gloomy, foggy, weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance

DAILY WEATHER REPORT.

for Saturday 27th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ‡ ..	29.88	23	NE	0	0	29.69	-.04	23	22	0	W	2	0	*	27	21	-
	Hernösand ...	30.02	28	NE	0	b	29.95	+.17	33	32	0	NW	2	0	*	34	27	-
	Stockholm ...	30.04	31	N	2	bc	30.10	+.48	30	27	-9	W	2	b	*	43	30	-
	Wisby	29.91	39	N	6	c	30.07	+.44	37	34	-8	NNW	4	b	*	46	36	0.04
	Bodö																	
	Christiansund ...	30.14	40	NNW	8	r	30.02	+.02	46	44	+2	NSW	9	r	6	46	39	0.28
	Skudesnaes ...	30.28	42	NW	2	bc	30.27	+.14	45	44	0	NW	1	0	3	45	41	-
	Christiania Fjord (Faerder)	30.14	42	NNW	2	b	30.21	+.30	40	39	-6	NNW	2	b	1	46	39	-
	Skagen (The Skaw)	30.14	46	NE	1	bc	30.22	+.34	37	36	-11	W	1	b	0	48	34	-
	Fanö	30.23	41	NW	4	b	30.30	+.19	36	36	-12	SW	0	b	*	48	36	-
BRITISH ISLANDS.	Sumburgh Head	30.29	48	W	1	r	30.26	-.04	46	45	-1	W	2	r	2	49	44	0.09
	Stornoway ...	30.42	46	SSW	2	cp	30.31	-.16	48	47	0	SSW	4	og	4	49	41	0.03
	Wick	30.29	48	NW	1	o	30.34	-.08	43	41	-5	W	2	bc	0	48	39	-
	Nairn	30.43	47	NSW	2	c	30.35	-.10	40	39	-8	SW	0	b	1	48	36	-
	Aberdeen... ...	30.45	46	W	1	c	30.41	-.06	41	39	-5	W	1	bc	0	50	41	-
	Leith ...	30.45	42	NW	1	bc	30.42	-.08	42	41	+7	S	1	f	*	46	34	-
	Shields	30.47	47	SW	0	m	30.43	-.08	42	42	+5	SW	0	f	1	49	35	-
	Spurn Head ..	30.47	41	NNW	3	f	30.46	-.03	44	43	+5	NNW	2	cgm	3	49	36	-
	York	30.49	35	SW	0	f	30.47	-.05	39	39	+9	S	1	f	*	39	29	-
	Loughborough	30.49	43	SW	0	o	30.48	-.06	42	41	+2	SE	1	ogm	*	44	39	0.01
	Ardrossan ...	30.46	44	SW	0	of	30.43	-.08	44	43	+6	ENE	1	ofw	0	47	37	-
	Malin Head ...	30.45	46	S	2	o	30.39	-.14	44	43	-3	S	3	om	2	50	39	-
	Mullaghmore .	30.45	48	SW	0	c	30.40	-.14	47	45	-1	SSW	3	om	2	52	40	-
	Belmullet ...	30.43	49	E	2	o	30.38	-.16	49	47	+1	SW	3	o	*	50	45	-
	Donaghadee ...	30.48	48	NE	3	bc	30.44	-.09	44	44	0	SW	1	bc	0	49	42	-
	Barrow-in-Furness	30.46	43	NNE	2	o	30.44	-.06	42	42	+1	SE	3	o	*	43	40	-
	Liverpool (Bidston)	30.48	43	SSE	1	o	30.47	-.06	41	40	-3	SSE	1	o	2	45	40	0.01
	Holyhead ...	30.47	45	SW	0	m	30.46	-.06	45	44	-2	SW	0	om	0	48	44	-
	Parsonstown ...	30.47	43	SW	0	f	30.44	-.11	45	45	+15	SW	0	om	*	46	29	-
	Valencia	30.41	50	ESE	1	om	30.40	-.12	51	50	+7	SSE	2	om	2	53	42	-
	Roche's Point...	30.43	50	SSE	3	m	30.42	-.10	48	48	0	SSE	3	rm	3	53	47	-
	Pembroke ...	30.46	45	ESE	2	m	30.46	-.06	43	43	-1	ENE	2	m	1	46	42	-
	Scilly	30.38	52	ENE	4	om	30.38	-.09	53	49	+1	ESE	4	o	3	53	49	-
	Prawle Point ...	30.44	46	ENE	2	o	30.42	-.08	48	46	+2	ENE	3	og	3	49	44	-
	Jersey	30.40	48	E	3	om	30.40	-.05	46	44	-5	E	4	om	3	51	45	0.01
	Hurst Castle ...	30.46	45	NE	2	omd	30.45	-.06	45	44	+1	ENE	2	om	1	46	43	-
	Dungeness ...	30.43	47	ENE	3	o	30.42	-.04	41	40	-8	NNE	3	o	2	50	41	-
	London	30.49	45	N	2	o	30.47	-.05	44	42	-2	E	1	fog	*	49	43	-
	Oxford	30.48	45	E	1	o	30.48	-.05	42	42	-3	ENE	1	og	*	47	47	-
	Cambridge ...	30.49	44	N	1	o	30.49	-.03	42	41	-2	N	1	o	*	45	39	0.02
GERMANY.	Yarmouth ...	30.45	46	NNW	2	c	30.45	-.03	45	44	+1	NW	2	of	4	50	41	-
	Cuxhaven ...	30.18	45	NNW	6	bc	30.30	+.09	46	44	-1	NNW	3	bc	*	47	43	-
	Berlin	30.08	46	NW	3	o	30.29	+.23	36	35	-10	NW	1	f	*	48	36	*
	Wiesbaden ...	*	*	*	*	*	30.39	+.02	47	44	-1	NW	2	o	*	48	45	-
	Munich	30.39	47	W	0	o	30.34	-.01	37	36	+2	SW	4	r	*	39	34	0.04
FRANCE & NETHERLANDS.	The Helder ...																	
	Brussels	*	*	*	*	*	30.41	-.04	44	44	-2	N	1	o	*	49	43	0.04
	Cape Gris Nez...	30.41	46	NE	7	o	30.41	-.05	46	45	-4	ESE	4	o	3	52	45	0.04
	Paris	30.41	45	NNE	3	o	30.41	-.02	45	42	0	NE	3	o	*	47	44	-
	Brest	30.35	49	E	4	o	30.37	-.08	43	42	-6	E	4	o	3	52	45	-
	Lorient																	
	Rochefort ...	30.34	48	ENE	7	o	30.35	-.04	47	43	+1	E	7	o	2	52	41	-
	Belfort	30.30	40	NW	1	o	30.38	.00	40	39	+4	N	1	m	*	41	?34	-
	Lyons	30.38	36	ESE	1	o	30.35	-.06	37	36	+4	NW	1	o	*	37	?	-
	Nice...	30.21	46	E	3	b	30.16	-.09	44	38	+3	SW	0	b	1	55	39	-
	Perpignan ...	30.28	36	SW	0	b	30.28	-.06	40	39	+11	SW	3	o	*	47	30	-
	Biarritz	30.25	41	E	4	b	30.26	-.07	28	28	-7	SE	5	m	1	48	27	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	29.95	54	ENE	5	b	29.89	-.19	44	42	+2	NNE	7	e	2	55	43	-

For Explanation of Columns, see p. 4. ‡ Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Saturday, 27th November, 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

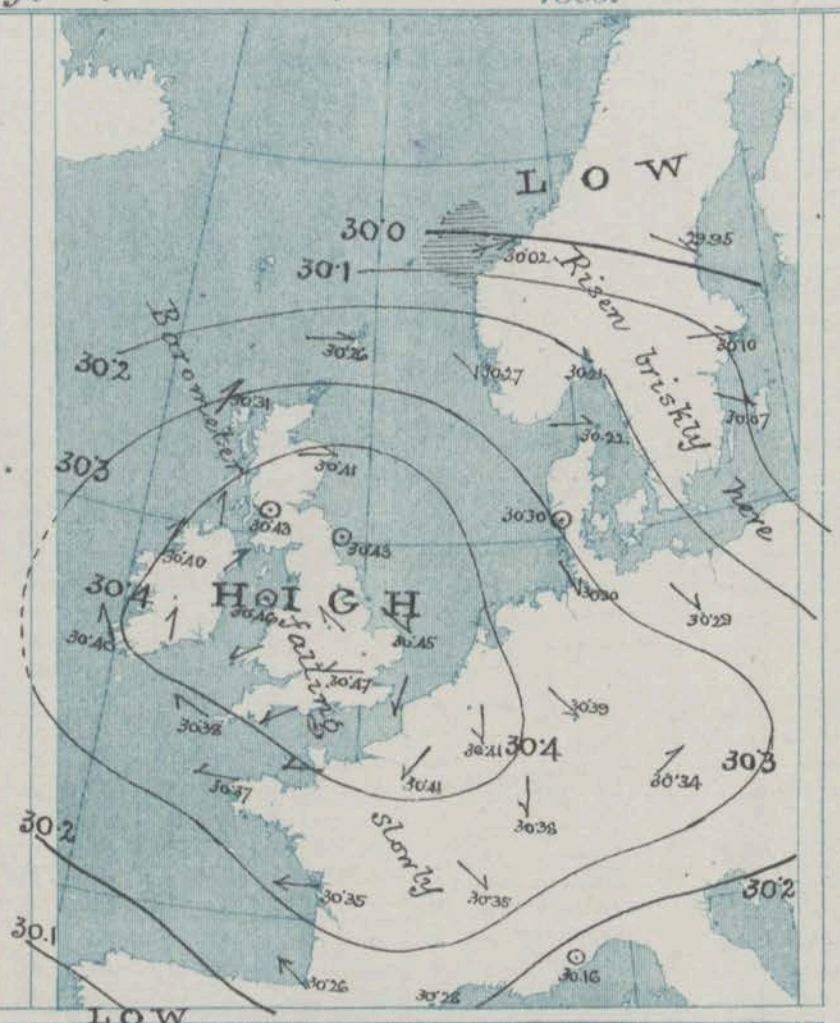
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather *is shown by Letters of the Beaufort Scale.*

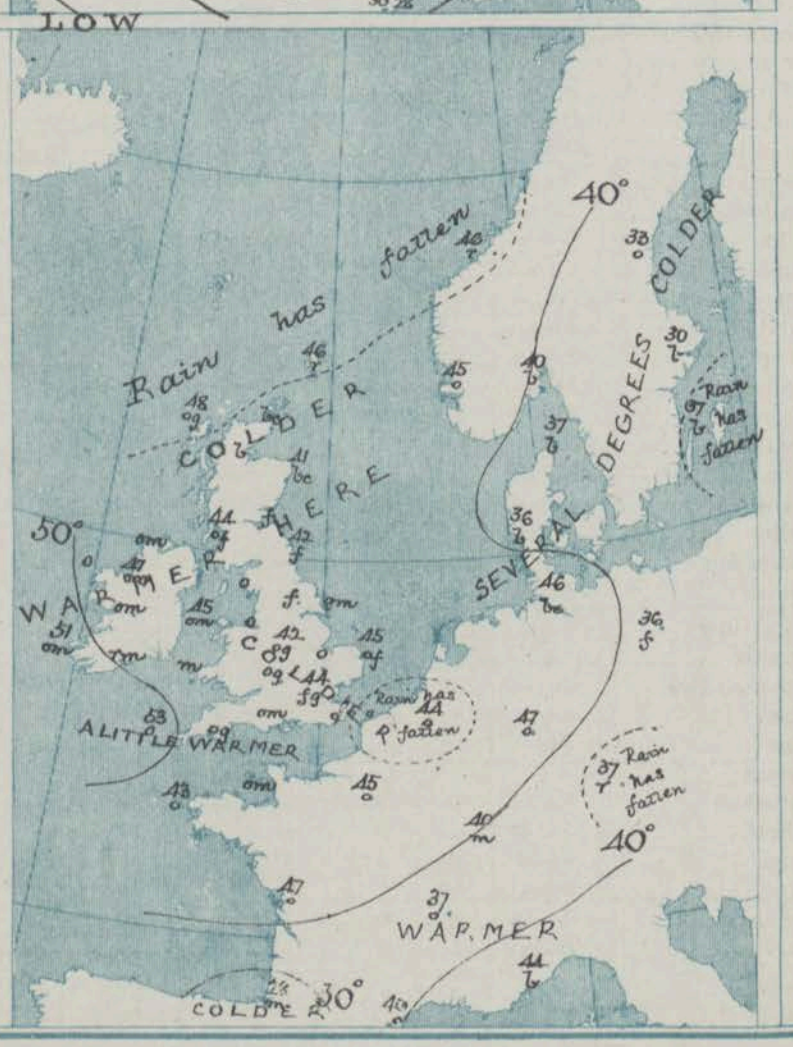
Rainfall *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.*

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE – The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins. and upwards, in an anticyclone lying over England, Ireland and the north-east of France.
Lowest, 29·3 and less over Portugal and the north of Scandinavia.

TEMPERATURE — Highest, 53° at Scilly, 51° at Valencia, 47° at Wiesbaden, and Rochefort.
Lowest, 28° at Biarritz, 30° at Stockholm, and 39° at York.

WIND — E. or NE. over the Channel and greater part of France, SE. or S. in Ireland.
SW. or W. in the north of Scotland, NW. on the eastern shores of the North Sea.
Light or moderate in force generally, but strong to gale at Christiansund.

WEATHER — Fine in the east of Scotland, as well as in Denmark and the south of Scandinavia.
Dull elsewhere, with mist or fog in many places, and rain at Christiansund, Lunenburg Hd., Rochefort and Munich.

SEA — Moderate at Stornoway and Yarmouth, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the Baltic yesterday has moved away to the eastward, and the barometer has risen briskly on the eastern shores of the North Sea.

In our Islands and France, however, the mercury has fallen slowly, and the anticyclone has become slightly reduced in height. The high pressure system is inclined to move slowly eastward, but no important change in the weather is likely at present.

FORECASTS

for the 24 hours ending at NOON on 28th November 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. winds, freshening; cloudy, some rain	6 SCOTLAND WEST	SE. winds, moderate; cloudy, misty, rain locally.
1 SCOTLAND EAST	SW. winds, moderate; fair generally.	7 ENGLAND N. W.	------ D° ------ D° ------ D° ------
2 ENGLAND N.E.	Light variable airs; dull, misty.	8 ENGLAND S. W	E. and SE. winds, moderate; dull, misty.
3 ENGLAND EAST	Same as No 5	9 IRELAND NORTH	S. and SE. winds, freshening; dull, some mist and rain.
4 MIDLAND COUNTIES	Same as No 5.	10 IRELAND SOUTH	------ D° ------ D° ------ D° ------
5 ENGLAND SOUTH	Light airs, chiefly E.; cloudy, mist or fog locally.	WARNINGS	NONE ISSUED.

Fredk Dangerfield, Lith. London, W.C.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·23	45	42	NW	4	o	5
Sumburgh Head	30·29	48	46	WNW	2	c	4
Stornoway ...	30·43	47	47	SSW	1	bcfp	1
Aberdeen ...	30·45	48	45	W	1	o m	0
Shields	30·45	49	45	Z	0	m	1
Ardrossan ...	30·47	47	46	Z	0	c	0
Malin Head ...							
Mullaghmore ...	30·47	51	48	Z	0	c	0
Belmullet ...	30·47	50	47	ESE	2	0	*

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Holyhead ...	30·49	46	45	NNE	1	o m	1
Valencia	30·44	50	48	ESE	2	c	2
Scilly	30·41	51	50	ESE	4	o m	3
Dungeness ...	30·45	50	49	ENE	3	c	2
London	30·50	49	46	NE	2	o g m	*
Yarmouth ...	30·49	48	47	NW	2	c f	4
Jersey	30·42	50	49	ENE	3	o	3
Rochefort ...	30·38	50	49	ENE	5	o	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental Reports have not yet arrived.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Sunday 28th November *1886.*

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.62	16	2	0	b	29.54	− .15	17	?	− 6	2	0	0	*	?	14	—
	Hernösand ...	29.71	44	SW	2	b	29.69	− .26	40	38	+ 7	SW	2	r	*	45	23	0.04
	Stockholm ...	29.94	39	SW	4	0	29.88	− .22	35	33	+ 5	W	2	c	*	39	28	—
	Wisby	30.02	40	WNW	4	c	29.95	− .12	41	40	+ 4	W	4	0	*	43	34	—
	Bodö	29.68	34	NNW	?	s	29.22	− .47	33	32	− 2	E	4	3	2	36	30	0.51
	Christiansund...	29.92	46	WSW	8	c	29.63	− .39	49	43	+ 3	WSW	8	0	6	?	43	0.32
	Skudesnaes ...	30.21	46	NW	4	c	30.03	− .24	46	45	+ 1	SW	4	r	3	46	?	—
	Christiania Fjord (Fæstningen)	30.05	42	WSW	4	bc	29.93	− .28	44	41	+ 4	WSW	4	b	2	?	40	—
	Skagen (The Skaw)	30.08	44	NW	5	b	30.00	− .22	46	43	+ 9	W	5	0	3	?	37	—
	Fanö	30.31	44	NW	4	c	30.24	− .06	47	41	+ 11	W	4	0	*	?	36	—
BRITISH ISLANDS.	Sumburgh Head	30.10	47	W	2	0	29.83	− .48	50	48	+ 4	WSW	4	0	4	50	43	0.02
	Stornoway ...	30.12	49	SSW	5	dq	29.82	− .49	50	49	+ 2	SSW	6	dq	6	51	45	0.06
	Wick	30.16	43	W	1	c	29.86	− .48	49	46	+ 6	SW	2	bc	0	51	41	—
	Nairn	30.17	46	WSW	2	bc	29.95	− .40	50	45	+ 10	SW	4	bc	3	50	37	—
	Aberdeen... ...	30.24	40	SSW	1	b	30.05	− .36	42	41	+ 1	SSW	1	bw	0	46	34	—
	Leith	30.33	44	SSE	1	m	30.16	− .26	46	44	+ 4	SW	1	0	*	48	40	—
	Shields	30.40	43	SW	2	om	30.22	− .21	45	44	+ 3	SSW	1	m	1	46	40	—
	Spurn Head ...	30.44	45	SSW	1	m	30.34	− .12	44	42	0	SW	3	cgm	3	45	42	—
	York	30.44	43	SSE	1	0	30.31	− .16	43	42	+ 4	S	1	0	*	44	38	—
	Loughborough	30.46	44	S	1	0	30.37	− .11	42	41	0	WSW	1	og	*	46	42	—
	Ardrossan ...	30.34	47	W	2	om	30.16	− .27	48	47	+ 4	SW	4	or	3	48	43	—
	Malin Head ...	30.29	46	S	3	cm	30.05	− .34	47	45	+ 3	SSW	4	om	3	49	44	—
	Mullaghmore .	30.32	49	SW	3	om	30.12	− .28	48	46	+ 1	SW	5	0	3	50	46	—
	Belmullet ...	30.31	50	SSW	3	0	30.06	− .32	50	48	+ 1	SW	7	0	*	50	48	0.03
	Donaghadee ...	30.40	45	SW	1	0	30.21	− .23	46	45	+ 2	SW	3	c	1	46	43	—
	Barrow-in-Furness	30.41	43	S	3	r	30.26	− .18	47	47	+ 5	WSW	2	r	*	47	42	0.13
	Liverpool (Bidston)	30.44	42	S	1	0	30.31	− .16	46	44	+ 5	SSW	2	0	3	46	41	—
	Holyhead ...	30.42	45	SSE	1	r	30.29	− .17	49	47	+ 4	SW	2	om	1	49	44	0.08
	Parsonstown ...	30.41	46	2	0	r	30.22	− .22	47	45	+ 2	W	1	og	*	47	34	—
	Valencia	30.39	49	SSE	1	om	30.23	− .17	52	49	+ 1	S	5	0	5	52	49	0.01
	Roche's Point...	30.40	43	SSE	2	r	30.29	− .13	50	48	+ 2	SSW	5	0	4	51	42	—
	Pembroke ...	30.43	46	ENE	2	m	30.34	− .12	51	49	+ 8	S	4	og	3	51	43	—
	Scilly	30.38	51	ESE	5	0	30.35	− .03	48	45	− 5	S	5	0	4	50	47	*
	Prawle Point ...	30.43	49	ENE	3	0	30.39	− .03	47	46	− 1	ENE	1	og	2	50	44	—
	Jersey	30.40	47	E	3	om	30.41	+ .01	45	43	− 1	SE	3	cm	2	48	43	—
	Hurst Castle ...	30.45	46	ENE	2	m	30.41	− .04	46	45	+ 1	ESE	2	m	1	48	44	—
	Dungeness ...	30.42	48	NE	1	0	30.41	− .01	48	47	+ 7	SSE	3	c	1	49	44	0.01
	London	30.48	46	ESE	2	0	30.42	− .05	44	42	0	SE	2	ofg	*	48	41	—
	Oxford	30.48	43	E	1	0	30.40	− .08	44	41	+ 2	S	1	og	*	45	42	—
	Cambridge ...	30.46	43	2	0	0	30.39	− .10	42	41	0	S	1	0	*	45	39	—
GERMANY.	Yarmouth ...	30.44	47	NW	1	cm	30.39	− .06	43	42	− 2	WSW	1	cm	3	48	40	—
	Cuxhaven ...	30.35	44	WSW	2	bc	30.33	+ .03	45	44	− 1	W	2	r	*	46	42	0.04
	Berlin	30.39	37	2	0	0	30.38	+ .09	38	37	+ 2	SW	1	0	*	39	36	*
	Wiesbaden ...	*	*	*	*	*									*			
	Munich	30.40	37	2	0	0	30.45	+ .11	31	31	− 6	E	1	f	*	41	30	0.04
FRANCE & NETHERLANDS.	The Helder ...	30.43	46	N	1	bc	30.39	− .01	44	42	− 2	SSW	1	c	1	48	43	—
	Brussels	*	*	*		*	30.43	+ .02	45	42	+ 1	NNE	1	0	*	47	44	—
	Cape Gris Nez...	30.39	46	E	1	0	30.41	.00	45	44	− 1	SE	1	m		48	43	—
	Paris	30.42	44	NE	1	0	30.43	+ .02	43	39	− 2	E	3	0	*	46	42	—
	Brest	30.38	46	E	3	0	30.41	+ .04	42	42	− 1	E	3	0	2	52	41	—
	Lorient	30.38	45	E	4	0	30.43		44	40		E	3	0	2	46	41	—
	Rochefort ...	30.37	45	E	7	0	30.40	+ .05	41	40	− 1	ENE	5	b	2	48	37	—
	Belfort	30.35	42	N	3	0	30.40	+ .02	39	37	− 1	NE	1	0	*	43	36	—
	Lyons	30.38	37	NNE	1	0	30.41	+ .06	38	37	+ 1	WSW	1	0	*	39	37	—
	Nice... ...	30.21	46	ESE	1	b	30.34	+ .18	45	42	+ 1	E	3	b	1	54	39	—
PENINSULA.	Perpignan ...	30.28	40	2	0	b	30.38	+ .10	39	37	− 1	2	0	b	*	54	32	—
	Biarritz	30.26	37	ESE	5	b	30.30	+ .07	35	33	+ 7	2	0	b	0	46	27	—
	Corunna	*	*	*	*	*	30.30		46	44		E	1	b	2	57	43	—
	Lisbon	29.99	54	ENE	5	0	30.24	+ .32	49	45	+ 5	NE	7	b	2	57	44	—

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday 28th November 1886.

BAROMETER, WIND & SEA.

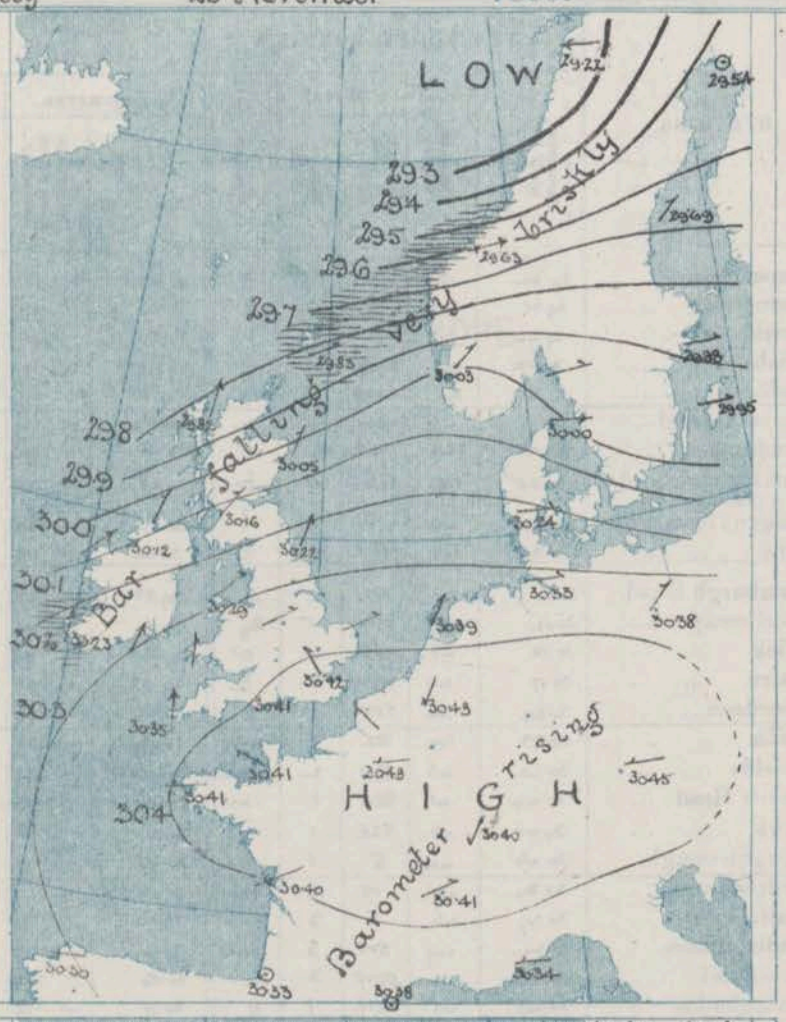
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10; ⟶ = forces 8 to 10;
⟶ = forces 5 to 7; ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November. During the 10 Years 1871—1880.

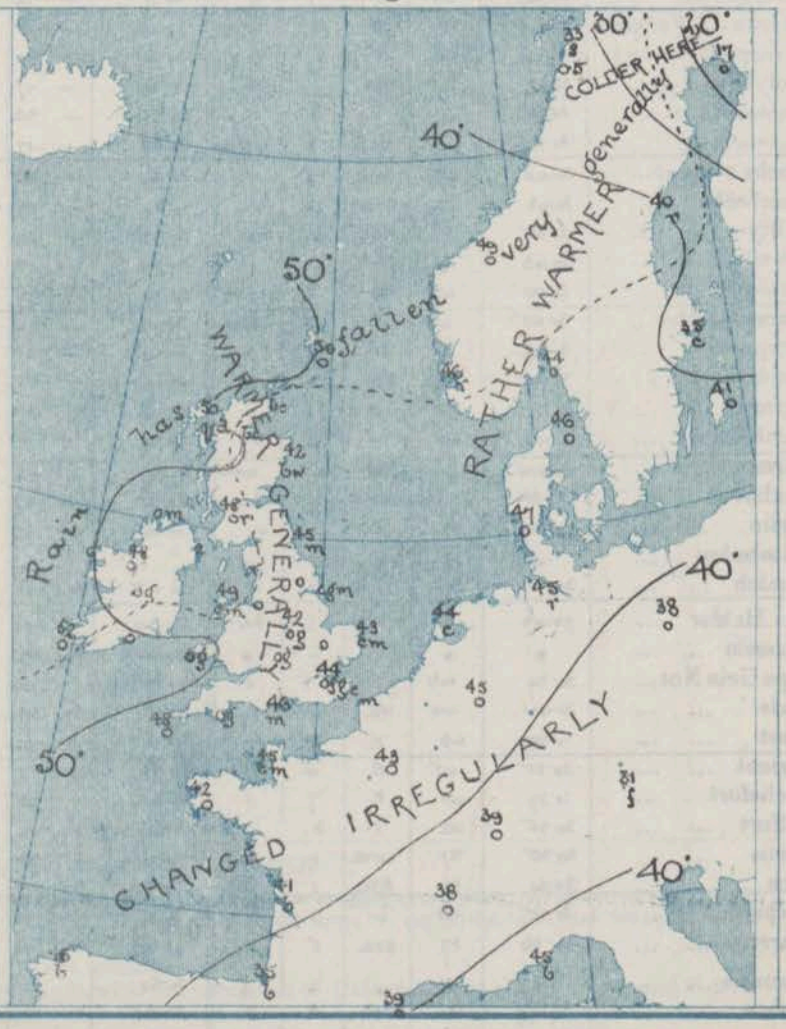
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather is shown by Letters of the Beaufort Scale.

Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	RAINFALL. (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE – The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins. and upwards in an anticyclonic band extending from the English Channel and north of France to Germany. Lowest, 29·3 ins. and less in a depression lying off the north west of Norway.

TEMPERATURE — Highest, 52° at Valencia, 51° at Pembroke, 50° at several of our western and northern stations and 49° at Stornoway. Lowest, 17° at Haparanda, 31° at Munich, 33° at Bodö, and 35° at Biarritz.

WIND — Moderate E. in the west and south of France, and S. on our southwest coasts. SW or W. elsewhere; strong in force on our extreme NW. coasts, and strong to a gale at Christiansund.

WEATHER — Fine in the south and southwest of France, and also in the East of Scotland. Cloudy or overcast elsewhere, with mist or fog in the E. and SE. of England, rain at Cuxhaven & Stornoway.

SEA — Rough at Christiansund and Stornoway, and rather rough at Valencia, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over our Islands is moving away in a southeasterly direction, and the barometer is now falling at all but the French and German stations – quickly in the north. Depressions are apparently about to skirt our extreme northwestern and northern coasts.

FORECASTS

for the 24 hours ending at NOON on 29th Nov. *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 SCOTLAND NORTH	None issued	* 6 SCOTLAND WEST	None issued
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W	
3 ENGLAND EAST		* 9 IRELAND NORTH	
4 MIDLAND COUNTIES		* 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The south cone has been hoisted this morning in district 10 and parts of 0, 6 and 9.

An asterisk is inserted against those districts in which the signals are not flying.

Frederk Dangerfield, Lith. London, E.C.

YESTERDAY'S 7 P.M. REPORTS.

	Bar.	Tem.	Thm.	Wind.		Wea.	Sea.		Bar.	Dew.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·26	46	45	W-NW	2	o	3	Holyhead ...	30·44	45	45	SSE	1	m	1
Sumburgh Head	30·1[illegible]	[illegible]	45	W	2	c	[illegible]	Valencia	30·40	50	49	SE	3	rm	3
Stornoway ...	30·[illegible]	[illegible]	46	[illegible]	5	cq	5	Scilly	30·38	52	50	E	4	o	2
Aberdeen ...	30·32	45	42	SSW	3	c	0	Dungeness ...	30·42	48	49	NE	3	o	2
Shields	30·41	45	43	[illegible]	0	o	1	London	30·47	48	45	N	1	f	*
Ardrossan ...	30·37	47	46	SSW	2	o	1	Yarmouth ...	30·44	48	47	NNW	2	c	3
Malin Head ...	30·38	46	45	S	3	b	2	Jersey	30·40	47	45	ESE	3	o	2
Mullaghmore ...	30·36	48	46	SSW	2	o	1	Rochefort ...	30·36	46	44	E	5	o	2
Belmullet ...	30·36	49	49	SSW	3	r	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that a large anticyclone in which the maximum reading exceeded 30·4 ins. still lay over NW Europe, but was moving slowly in a southeastly direction. To the northward pressure decreased to about 29·7 ins. over Finland, while to the Eastward it decreased to about the same value over Russia, and to the southward to about 29·9 ins. over the Straits of Gibraltar. The winds over Europe were consequently light and variable from the N.ward (NW to NE), but S'ly breezes were setting in over the NW and N parts of the British Isles. The weather was cloudy or foggy in most places, and temperature was not nearly so low over the British Isles and north of France as is usually the case near the centres of anticyclones in November. The thermometer stood between 50° and 60° over the southeastern parts of the Mediterranean, and at rather above 50° in the southwestern parts of the British Islands. Thence, however, temperature decreased to rather below 40° over the southern parts of France and Central Spain, and to the freezing point at Biarritz. Over Central Europe temperature was higher but over Russia and Finland it had fallen fast, and was as low as 10° F on the shores of the White Sea. The highest individual readings were nearly 60° at Malta, 58° at Palma, 55° at Brindisi, 54° at Sanguinaire and 53° at Scilly, the lowest 28° at Biarritz, 20° at Kuopio, 21° at Uleaborg and St Petersburg, and 10° at Archangel.

During the day the barometer fell fast in the extreme northwest of Europe accompanied by strong S'rly winds, mild weather and some rain, while the anticyclone moved southeastward to France. Large depressions then began to move NE.ly over extreme NW coasts towards Norway.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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	STATIONS.	1 YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	29.28	23	S	0	0	29.23	-.31	27	27	+ 10	SE	6	S	*	30	10	0.28
	Hernösand ...	29.52	43	SW	2	0	29.25	-.44	36	34	- 5	S	0	bc	*	45	?	-
	Stockholm ...	29.72	38	WNW	2	b	29.52	-.36	43	41	+ 8	SW	4	0	*	?	34	-
	Wisby	29.81	44	W	4	b	29.70	-.25	45	42	+ 4	W	4	0	*	46	39	-
	Bodö	29.24	42	W	4	0	28.90	-.32	45	44	+ 12	SW	7	r	4	45	?	1.30
	Christiansund...	29.46	49	WSW	8	0	29.02	-.61	48	43	- 1	SSE	3	c	3	?	45	0.04
	Skudesnaes ...	29.79	48	SSW	8	0	29.29	-.74	48	46	+ 2	SSW	8	r	6	48	46	-
	Christiania Fjord (Færder)	29.77	46	WSW	8	b	29.47	-.46	47	46	+ 3	SW	8	m	4	?	?	-
	Skagen (The Scaw)	29.93	46	WNW	5	bc	29.58	-.42	45	44	- 1	W	5	0	3	46	41	-
	Fanö	30.02	46	WSW	4	0	29.74	-.50	46	45	- 1	SW	4	0	*	48	46	-
BRITISH ISLANDS.	Sumburgh Head	29.58	48	WSW	3	0	28.99	-.84	44	42	- 6	WSW	4	r	4	50	43	0.11
	Stornoway ...	29.41	50	SSW	8	rq	29.06	-.76	44	43	- 6	SW	5	bcq	5	50	41	0.53
	Wick	29.57	49	W	5	0	29.10	-.76	41	40	- 8	W	3	bc	0	51	39	0.01
	Nairn	29.56	50	WSW	1	0	29.15	-.80	42	41	- 8	WSW	3	p	2	54	40	0.05
	Aberdeen... ...	29.72	46	SSW	6	cq	29.25	-.80	42	39	0	SSW	4	b	2	49	41	0.02
	Leith ...	29.78	47	SW	4	bc	29.37	-.79	45	42	- 1	W	4	b	*	50	43	0.05
	Shields	29.97	49	SSW	3	0	29.51	-.71	48	42	0	SW	2	c	2	50	43	-
	Spurn Head ...	30.12	45	SSW	4	0	29.63	-.71	47	46	+ 3	SW	5	cqp	3	47	44	0.05
	York	30.09	46	S	1	0	29.61	-.70	46	44	+ 3	WSW	2	b	*	48	42	0.09
	Loughborough	30.16	45	SSW	3	0	29.71	-.66	47	46	+ 5	SW	4	oqp	*	48	42	0.05
	Ardrossan ...	29.81	49	SSW	7	r	29.42	-.76	47	45	- 1	SSW	4	op	3	49	45	0.06
	Malin Head ...	29.72	48	SSW	7	oq	29.40	-.65	44	42	- 3	WNW	5	opqrh	4	50	39	0.18
	Mullaghmore .	29.72	49	SSW	7	opm	29.56	-.56	46	43	- 2	W	7	cqp	6	50	37	0.14
	Belmullet ...	29.71	50	SW	9	r	29.61	-.45	47	44	- 3	W	8	c	*	52	44	0.20
	Donaghadee ...	29.87	48	W	7	0	29.54	-.67	43	41	- 3	W	5	b	3	48	41	0.03
	Barrow-in-Furness	30.04	48	SW	4	0	29.60	-.66	47	46	0	SW	5	c	*	49	46	0.22
	Liverpool (Bidston)	30.07	48	E	4	0	29.65	-.66	45	42	- 1	WSW	5	b	4	50	44	0.09
	Holyhead ...	30.08	49	SW	6	0	29.68	-.61	46	43	- 3	WSW	5	c	4	51	46	0.14
	Parsonstown ...	29.93	49	SW	1	0	29.72	-.50	41	40	- 6	SW	1	p	*	50	40	0.23
	Valencia	29.95	52	SSW	7	ou	29.85	-.38	47	45	- 5	W	6	oqp	5	53	46	0.18
	Roche's Point...	30.04	52	SSW	6	om	29.83	-.46	46	43	- 4	WNW	4	b	4	53	41	0.18
	Pembroke ...	30.13	48	WSW	6	r	29.81	-.53	49	47	- 2	W	6	cq	5	52	48	0.26
	Scilly	30.22	51	S	5	0	29.94	-.41	52	48	+ 4	WNW	6	0	5	52	47	0.044
	Prawle Point ...	30.260	46	WSW	8	0	29.91	-.48	50	48	+ 3	WSW	5	opu	5	52	44	0.09
	Jersey	30.32	44	SSW	3	0	30.02	-.39	51	50	+ 6	SW	5	omqs	4	51	43	-
	Hurst Castle ...	30.28	47	SW	3	ogm	29.86	-.55	50	50	+ 4	WSW	6	onm	2	52	45	0.05
	Dungeness ...	30.30	48	WSW	4	c	29.88	-.53	51	51	+ 3	SW	6	0	5	51	45	-
	London	30.26	46	SSW	2	0	29.83	-.59	49	48	+ 5	SW	3	r	*	50	43	0.02
	Oxford	30.19	45	SSE	5	r	29.81	-.59	48	47	+ 4	SW	4	ou	*	49	42	0.04
	Cambridge ...	30.20	44	S	1	0	29.78	-.61	48	47	+ 6	S	3	0	*	48	40	0.01
	Yarmouth ...	30.23	45	SW	2	cm	29.76	-.63	46	45	+ 3	SSW	4	oq	4	46	41	0.02
GERMANY.	Cuxhaven ...	30.27	47	WSW	3	c	29.91	-.42	41	39	- 4	SW	5	0	*	?	38	-
	Berlin	30.28	43	W	1	0	30.09	-.29	39	37	+ 1	SSW	1	c	*	45	?	*
	Wiesbaden ...	*	*	*	*	*	30.19		33	32		W	0	0	*	46	30	-
	Munich	30.37	30	E	3	0	30.23	-.22	28	28	- 3	NW	1	f	*	36	28	-
FRANCE & NETHERLANDS.	The Helder ...	30.19	47	SSW	5	0	29.85	-.54	44	42	0	SSW	7	0	4	48	43	0.08
	Brussels	*	*	*	*	*	30.05	-.38	39	37	- 6	S	5	0	*	46	39	-
	Cape Gris Nez...	30.31	43	SW	5	0	29.91	-.50	48	47	+ 3	SW	7	0	5	48	41	0.04
	Paris	30.37	41	S	1	0	30.19	-.24	40	37	- 3	SW	5	0	*	44	39	-
	Brest	?	50	?	4	0	30.09	-.32	54	54	+ 12	WSW	7	0	5	?	41	-
	Lorient	30.37	44	E	3	0	30.19	-.24	54	51	+ 10	W	8	0	5	?	41	-
	Rochefort ...	30.38	35	ESE	1	m	30.32	-.08	41	41	0	SSE	5	0	2	45	30	-
	Belfort	30.30	41	NW	1	b	30.21	-.19	35	34	- 4	SW	1	m	*	42	24	-
	Lyons	30.39	34	WNW	1	b	30.35	-.06	28	27	- 10	NNW	1	b	*	44	26	-
	Nice...	30.34	52	E	1	0	30.26	-.08	46	44	+ 1	SE	1	b	—	57	43	-
	Perpignan ...	30.36	39	S	0	b	30.32	-.06	31	30	- 8	S	1	b	*	54	30	-
	Biarritz	30.39	48	N	3	0	30.35	+.02	46	45	+ 11	S	4	0	1	48	32	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.28	58	NE	7	b	30.40	+.19	50	46	+ 1	NNE	5	b	2	63	48	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 29th November 1886.

BAROMETER, WIND & SEA.

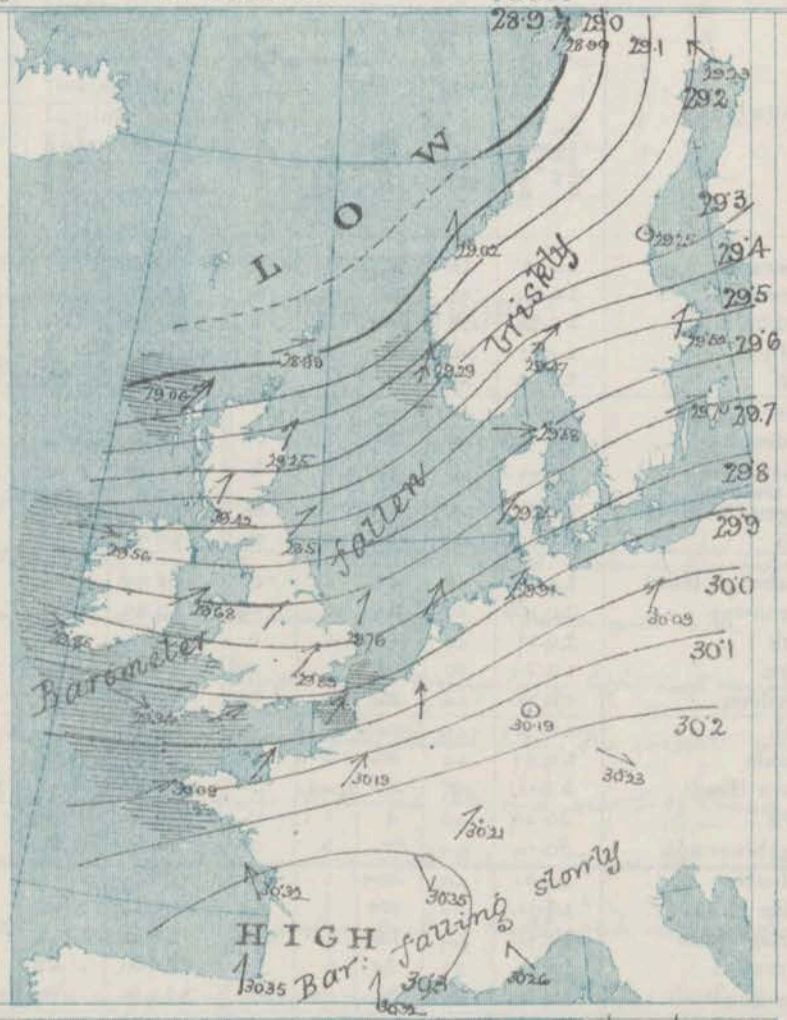
(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

⟶ = forces above 10, ⟶ = forces 8 to 10;
⟶ = forces 5 to 7, ⟶ = forces 1 to 4;
⊙ = dead calm.

Sea Disturbance — *where considerable is shewn thus*
= Rough. = High.



MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871—1880.

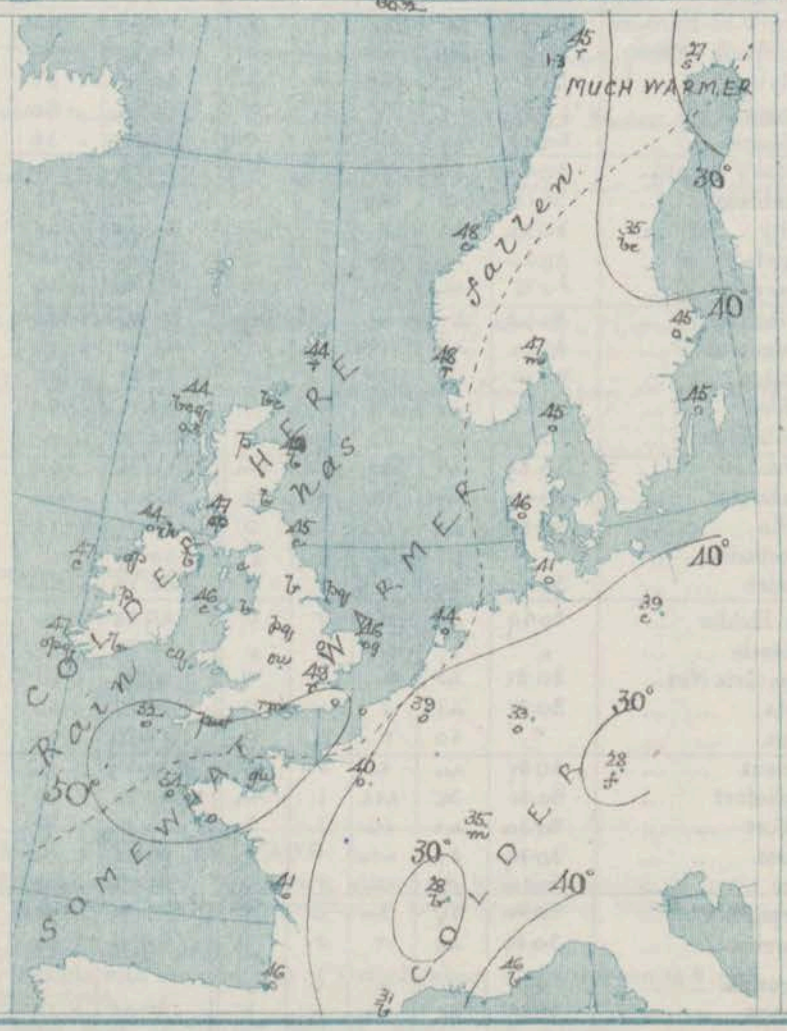
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855

TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10° Changes since previous morning are stated in words.*

Weather — *is shown by Letters of the Beaufort Scale.*

Rainfall — *A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of, 0·5in. or more, are quoted in figures.*



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November.

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	At 8 a.m. Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	3·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins. in Portugal, and 30·3 ins. over the south of France
Lowest, 29·0 ins. and less in a large area of low pressure lying to the N.ᵗʰ of our Islands and to the W.ᵗ of Norway.

TEMPERATURE — Highest, 54° at Brest and Lorient, 52° at Scilly, 51° at Jersey and 50° at Lisbon.
Lowest, 27° at Haparanda, 28° at Munich and Lyons, 31° at Perpignan, 33° at Wiesbaden and 34° at Kiel and Parnesboro'.

WIND — Strong from W. on our west and southwest coasts, moderate from SW. in the east and north.
Strong SW.ᵗʰ winds or gales on the eastern shores of the North Sea, light or moderate S.ᵗʰ breezes in the south of France.
Since yesterday a fresh SW.ᵗʰ gale has been experienced at most of the Irish and Scotch stations.

WEATHER — Fine in the south of France, and also at some of our western and northern stations.
Cloudy or overcast elsewhere, with rain or passing showers in many places.
In the course of the past twenty-four hours rain has fallen generally.

SEA — Rather rough on our western and southern coasts, as well as at Stornoway, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday over France and the south east of England has moved southwards, and the barometer has fallen generally.

In the course of the night a large and rather deep depression has skirted our extreme north west coasts, but this is now travelling away to the northward of Scotland.

There is at present no decided sign of any new disturbance, but the barometer is still falling in the west, and the distribution of pressure is favourable for the advance of depressions from the Atlantic.

FORECASTS

for the 24 hours ending at NOON on 30ᵗʰ NOVEMBER *1886.*

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 SCOTLAND NORTH	W.ᵗʰ or SW.ᵗʰ breezes; fair generally, but some showers	* 6 SCOTLAND WEST	SW.ᵗʰ winds, fresh or strong; unsettled, some showers
* 1 SCOTLAND EAST	------ D° ------ D° ------ D° ----	* 7 ENGLAND N.W.	---- D° ------ D° ------ D° ----
* 2 ENGLAND N.E.	------ D° ------ D° ------ D° ----	* 8 ENGLAND S.W	W.ᵗʰ winds, backing later, unsettled, some rain.
3 ENGLAND EAST	Same as No 5	* 9 IRELAND NORTH	---- D° ------ D° ------ D° ----
4 MIDLAND COUNTIES	Same as No 5	* 10 IRELAND SOUTH	---- D° ------ D° ------ D° ----
5 ENGLAND SOUTH	SW.ᵗʰ and W.ᵗʰ winds, fresh, changeable, some showers.	WARNINGS	The south cone was hoisted yesterday in districts No. 1, 6 to 10, and part of 2. An asterisk is inserted against those districts in which signals are now flying.

Weekly Dispatch, Lith. London, S.W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.93	48	47	SW 4	0	4	Holyhead ...						
Sumburgh Head							Valencia						
Stornoway ...							Scilly						
Aberdeen ...							Dungeness ...						
Shields							London						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey						
Mullaghmore ...							Rochefort ...	30.42	37	36	ESE 3	m	2
Belmullet ...						*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Continental Reports not yet received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 21ST TO THE 27TH NOVEMBER 1886.

During this week the distribution of pressure, temperature, winds and weather were all continuously anticyclonic. The system was formed over the British Islands on Sunday the 21st, in a ridge which extended northwards from a small anticyclone, which at that time lay over France. On Monday the new system covered the North Sea, England and the north-western half of France, the barometer being then highest (30.5 ins) over Central England. For a day or two more the anticyclone grew higher till a reading of 30.79 ins was recorded at Birr Castle Parsonstown on the morning of the 24th. Temperature became very low over the inland counties as the anticyclone increased, so that early on the 24th minima were recorded as low as 27° at Cambridge and 28° at Oxford and in London. The centre of the system now moved westward, and the temperature rose decidedly. At 8 am on the 25th its centre lay rather to the westward of Ireland, but after this the system moved slowly eastwards, and decreased in intensity. The winds during its prevalence were light to moderate at most of the coast stations, calm inland, but the most striking feature was the continued prevalence of dense fogs, especially in London. These were dry + irritating until after Wednesday, when with the rise of temperature these characteristics were ameliorated.

At the close of the week the system was dispersing, and mild SW.ly winds were setting in on our western and north-western coasts, with rain

ATLANTIC TELEGRAM

The Chief Signal Officer United States reports that: —

(1) On the 25th inst: the barometer in Lat: 43° N, Long 63° W fell to 29.69 ins during a gale from SW.

(2) On the same day the barometer in Lat: 43° N, Long 59° W fell to 29.53 ins during a gale from NW.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds: d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 30th November 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
		Ins	°				Ins.	Ins.	°	°	°					°	°	Ins.
SCANDINAVIA.	Haparanda ..	28·77	35	ⅇ	0	n	28·60	-·63	35	35	+ 8	w	4	n	*	36	19	0·32
	Hernösand ...	28·93	41	SSW	2	b	28·91	-·34	35	33	0	ⅇ	0	b	*	45	34	-
	Stockholm ...	29·28	42	SW	4	0	29·18	-·34	39	37	- 4	SW	4	b	*	46	37	-
	Wisby	29·47	42	W	6	c	29·35	-·35	42	41	- 3	WSW	4	0	*	46	39	-
	Bodö	28·65	42	SSW	6	n	28·73	-·17	37	35	- 8	NW	4	bc	2	45	36	0·83
	Christiansund...	28·86	43	SW	4	n	28·91	-·11	41	38	- 7	WSW	4	n	5	2	39	0·51
	Skudesnaes ...	29·06	46	SW	7	c	29·06	-·23	43	41	- 5	WNW	5	n	5	48	?	-
	Christiania Fjord (Færder)	29·15	48	SSW	8	b	29·04	-·43	47	45	0	SSW	8	bc	5	?	45	0·04
	Skagen (The Scaw)	29·24	43	W	5	bc	29·13	-·45	42	41	- 3	WSW	4	bc	3	46	41	0·16
	Fanö	29·40	46	WSW	4	b	29·28	-·46	44	41	- 2	WSW	4	c	*	46	43	0·20
	Sumburgh Head	28·91	43	NNW	2	c	29·16	+·17	41	39	- 3	N	4	bc	3	46	38	0·61
	Stornoway ...	29·18	42	NW	6	bqp	29·60	+·54	39	36	- 5	NNW	6	cq	4	45	36	0·45
	Wick	29·06	42	W	4	n	29·39	+·29	40	40	- 1	N	7	0	1	50	37	0·38
	Nairn	29·16	42	W	3	n	? 29·46	+·31	38	37	- 4	WNW	4	cp	3	45	31	0·28
	Aberdeen... ...	29·14	43	SW	4	b	29·38	+·13	38	37	- 4	WNW	4	bcp	2	46	37	-
BRITISH ISLANDS.	Leith	29·28	42	W	4	c	29·46	+·09	38	37	- 7	NW	2	cm	*	46	36	0·10
	Shields	29·44	45	W	4	b	29·44	-·07	37	35	- 8	WNW	2	bc	2	48	35	-
	Spurn Head ...	29·54	44	SW	5	b	29·49	-·14	40	39	- 7	WSW	5	b	3	47	38	-
	York	29·54	43	WSW	2	b	29·48	-·13	37	36	- 9	WSW	1	b	*	48	36	0·02
	Loughborough	29·63	43	WSW	4	b	29·58	-·13	37	37	- 10	WSW	4	c	*	50	37	-
	Ardrossan ...	29·36	45	WNW	5	cqp	29·51	+·09	42	40	- 5	NNW	4	c	3	49	38	0·20
	Malin Head ...	29·40	45	WNW	5	bcqp	29·64	+·24	42	40	- 2	NNW	6	opqrh	7	48	38	0·11
	Mullaghmore .	29·58	43	WNW	7	qp	29·75	+·19	42	40	- 4	NNW	7	cq	7	47	39	0·34
	Belmullet ...	29·67	45	WNW	6	n	29·88	+·27	43	42	- 4	NNW	6	0	*	47	38	0·38
	Donaghadee ...	29·50	41	W	4	b	29·59	+·05	45	43	+ 2	NNE	7	bc	5	46	37	0·10
	Barrow-in-Furness	29·51	46	WSW	6	bc	29·50	- 10	43	41	- 4	NW	5	cp	*	49	40	0·05
	Liverpool (Bidston)	29·56	45	WSW	6	b	29·52	-·13	42	40	- 3	W	6	bc	5	47	41	0·06
	Holyhead ...	29·62	46	WSW	5	cq	29·61	-·07	44	42	- 2	WNW	8	cq	6	47	42	-
	Parsonstown ...	29·71	40	ⅇ	0	b	29·86	+·14	39	38	- 2	W	1	0 n	*	46	36	0·06
	Valencia	29·89	49	W	6	cq	29·99	+·14	46	42	- 1	NNW	5	cqu	5	50	43	0·18
	Roche's Point...	29·82	44	WNW	5	b	29·86	+·03	42	40	- 4	WNW	5	b	4	49	39	0·10
	Pembroke ...	29·75	48	WSW	6	c	29·77	-·04	44	42	- 5	NW	7	c	6	50	44	-
	Scilly	29·90	50	WNW	7	cq	? 29·86	-·08	47	43	- 5	NW	7	c	6	52	43	0·10
	Prawle Point ...	29·85	46	W	6	b	29·79	-·12	41	39	- 9	WNW	4	bc	4	50	38	0·14
	Jersey	29·89	49	WNW	4	bcp	29·80	-·22	45	44	- 6	NW	4	bcqp	4	52	42	0·31
	Hurst Castle ...	29·79	46	W	6	b	29·71	-·15	41	39	- 9	WNW	5	b	3	51	39	0·09
	Dungeness ...	29·75	47	W	4	bc	29·64	-·24	38	38	- 13	WNW	4	b	3	52	37	0·02
	London	29·76	43	W	2	b	29·66	-·17	36	35	- 13	WSW	2	b	*	51	35	-
	Oxford	29·70	41	SW	2	b	29·65	-·16	35	34	- 13	SW	3	b	*	50	35	-
	Cambridge ...	29·66	42	S	3	b	29·61	-·17	35	34	- 13	SW	1	b	*	51	33	-
	Yarmouth ...	29·65	44	WSW	3	bc	29·55	-·21	38	37	- 8	W	3	cm	3	49	37	0·02
GERMANY.	Cuxhaven ...	29·66	41	SW	6	0	29·48	-·43	41	41	0	SW	4	bc	*	41	40	0·08
	Berlin	29·82	36	SW	3	0	29·66	-·43	38	37	- 1	SW	2	n	*	43	36	*
	Wiesbaden ...	*	*	*	*	*	29·76	-·43	41	39	+ 8	ⅇ	0	0	*	41	?	-
	Munich	30·04	29	W	2	f	29·85	-·38	26	25	- 2	SE	3	b	*	34	25	-
FRANCE & NETHERLANDS.	The Helder ...	29·60	47	WSW	4	b	29·49	-·36	45	42	+ 1	WSW	4	c	4	48	43	0·12
	Brussels	*	*	*	*	*	?	?	40	39	+ 1	SW	4	b	*	44	39	0·12
	Cape Gris Nez...	29·76	48	W	8	c	29·65	-·26	43	42	- 5	W	8	c	6	52	41	0·04
	Paris	29·95	43	SW	5	n	29·60	-·39	38	38	- 2	SW	3	b	*	44	37	0·16
	Brest	30·01	50	NW	5	0	29·92	-·17	48	43	- 6	NNW	7	0	5	?	41	0·16
	Lorient	30·02	52	NW	7	b	29·95	-·24	48	45	- 6	WNW	7	c	5	55	45	0·20
	Rochefort ...	30·14	54	WSW	8	0	30·03	-·29	48	46	+ 7	N	5	c	2	55	?	0·43
	Belfort	30·11	35	SW	1	0	29·89	-·32	36	35	+ 1	SW	1	n	*	39	32	0·08
	Lyons	30·15	33	S	1	b	29·95	-·40	35	34	+ 7	S	1	n	*	38	?	0·16
	Nice...	30·10	46	E	1	bc	29·90	-·36	43	40	- 3	E	3	b	1	55	41	-
PENIN. SULA.	Perpignan ...	30·19	43	NW	3	b	29·98	-·34	49	44	+ 18	W	3	0	*	58	?	-
	Biarritz	30·22	56	SW	4	b	30·06	-·29	51	48	+ 5	NW	5	n	3	57	41	0·75
	Corunna	*	*	*	*	*												
	Lisbon	30·35	57	N	5	b	30·30	-·10	53	50	+ 3	N	5	bc	3	64	?	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 30th November 1886.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — *Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.*

Wind — *Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —*

= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4;
⊙ = dead calm.

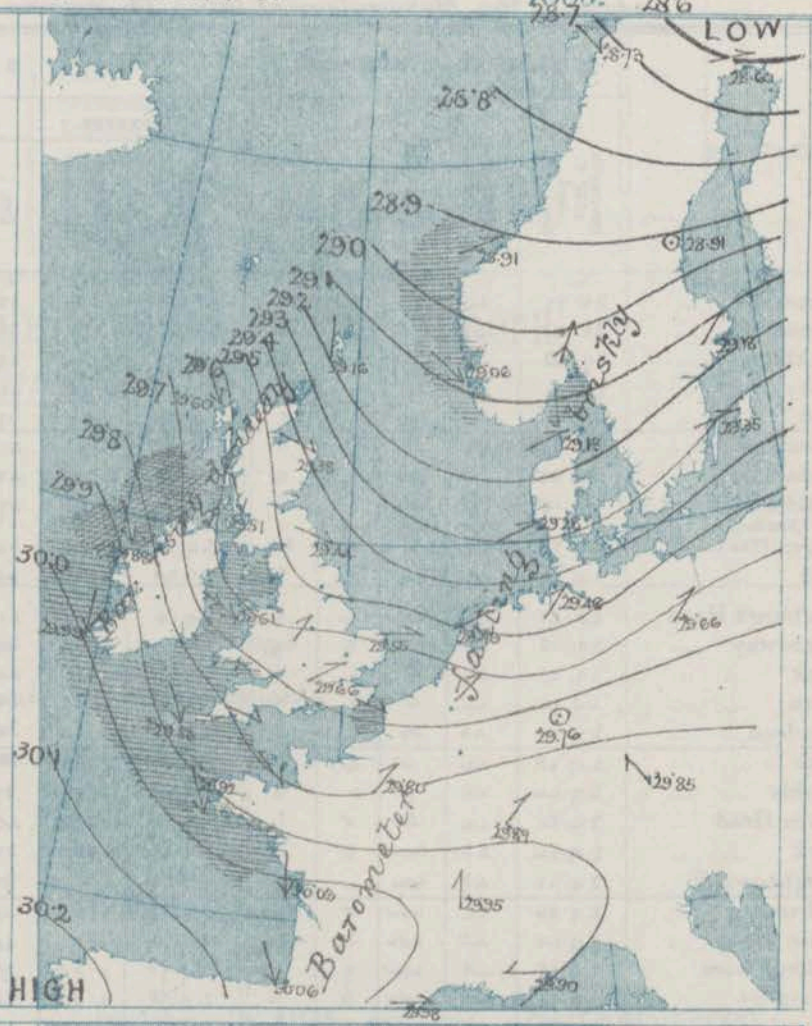
Sea Disturbance — *where considerable is shewn thus*

= Rough. = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of November During the 10 Years 1871 — 1880.

STATIONS.	MEAN READINGS ins.
Sumburgh Head	29·724
Stornoway	29·755
Wick	29·767
Nairn	29·786
Aberdeen	29·782
Leith	29·820
Shields	29·830
York	29·847
Ardrossan	29·824
Donaghadee	29·832
Holyhead	29·845
Liverpool	29·862
Valencia	29·880
Roche's Point	29·875
Pembroke	29·867
Scilly	29·899
Hurst Castle	29·885
Dover	29·882
LONDON	29·885
Oxford	29·888
Cambridge	29·878
Yarmouth	29·855



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — *Isotherms are drawn for each 10°. Changes since previous morning are stated in words.*

Weather is shown by Letters of the Beaufort Scale.

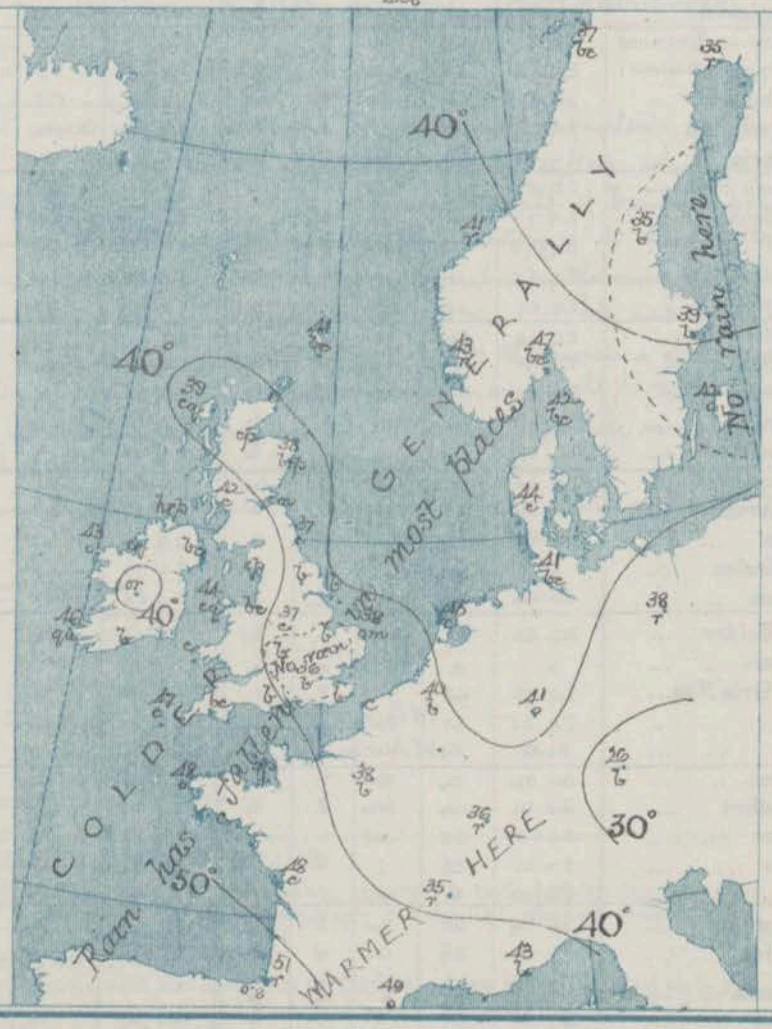
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of November

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	RAINFALL (Inches).
Sumburgh Head	45·0	36·9	41·0	39·4	4·24
Stornoway	45·0	36·2	40·3	39·1	4·60
Wick	45·6	35·4	40·8	39·2	2·97
Nairn	44·2	35·3	38·8	37·2	2·32
Aberdeen	45·8	36·7	40·2	38·3	3·16
Leith	48·2	36·6	40·9	39·4	2·11
Shields	46·6	38·0	41·3	39·7	2·63
York	47·3	35·4	39·7	38·4	2·21
Ardrossan	47·6	38·8	42·2	39·8	3·92
Donaghadee	47·8	39·4	42·5	41·3	3·13
Holyhead	49·5	42·8	45·1	43·3	3·71
Liverpool	47·2	39·0	41·5	39·8	2·87
Valencia	52·0	42·3	46·8	44·6	5·50
Roche's Point	50·4	41·6	45·3	43·6	4·56
Pembroke	49·7	43·2	46·2	44·2	3·96
Scilly	52·0	46·3	49·5	47·4	3·76
Hurst Castle	50·0	39·5	44·1	43·1	2·98
Dover	48·5	40·3	43·6	41·9	3·56
LONDON	49·0	37·3	41·3	39·9	2·14
Oxford	47·9	37·1	40·5	39·2	2·30
Cambridge	48·5	35·3	39·6	38·8	2·02
Yarmouth	47·4	38·8	42·6	41·6	3·15

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·3 ins. at Lisbon
Lowest, 28·6 ins. in the extreme north of Sweden.

TEMPERATURE — Highest, 53° at Lisbon, 51° at Biarritz, and 47° at Scilly.
Lowest, 26° at Munich, 35° at Haparanda, Hernösand, Oxford, Cambridge, and Lyons.
During last night the thermometer on the grass in London fell to 26°.

WIND — Strong NW⅗ or N⅗ on our western and extreme northern coasts, and also in the west of France.
Moderate W⅗ in the east of our Islands, and SW on the eastern shore of the North Seas.
Light E⅗ or SE⅗ in South Germany and the south east of France.

WEATHER — Fine in Denmark, Sweden and the eastern parts of England.
Showery on our north and north-west coasts; rainy in the west of Norway and at some of the Southern French stations.
Rain fell yesterday in most parts of the United Kingdom.

SEA — High off the north of Ireland, and rough on our west coasts generally, but slight in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large area of low pressure which lay to the northward of our Islands yesterday has since moved away in a north-easterly direction, but some shallow subsidiary depressions have been developed in its rear; so that, while the barometer has risen decidedly on our western and northern coasts, it has fallen in all other parts of Western Europe.

There is at present no sign of the advance of any fresh depression, and NW winds are therefore likely to continue for a time, with showery weather in the north, but fair weather in the south.

FORECASTS

for the 24 hours ending at NOON on 1st December. 1886.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW⅗ or N⅗ winds, fresh or strong; unsettled, some cold showers
1 SCOTLAND EAST	..... D° ..... D° ..... D° .....
2 ENGLAND N.E.	Same as No 5
3 ENGLAND EAST	Same as No 5
4 MIDLAND COUNTIES	Same as No 5
5 ENGLAND SOUTH	W⅗ to NW⅗ winds, moderate or fresh; fair generally, but local showers.
6 SCOTLAND WEST	N⅗ winds, moderate; fair generally, but some showers.
7 ENGLAND N. W.	W⅗ to NW⅗ winds, strong; fair generally, but some showers.
8 ENGLAND S. W	NW⅗ and N⅗ winds, strong; squally, some showers.
9 IRELAND NORTH	..... D° ..... D° ..... D° .....
10 IRELAND SOUTH	..... D° ..... D° ..... D° .....
WARNINGS	The south cone was lowered yesterday in districts 0, 1, 6 to 10 and part of 2.

Frederk Dangerfield, Lith. London, W.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.17	47	45	NSW	8	o	6	Holyhead ...	29.64	47	43	NSW	5	cq	3
Sumburgh Head	28.92	42	40	NSW	3	n	3	Valencia	29.87	47	45	WNW	6	cqp	5
Stornoway ...	29.08	44	43	WNW	6	cqhp	5	Scilly	29.92	50	46	WNW	7	chq	6
Aberdeen ...	29.16	46	42	SW	4	b	2	Dungeness ...	29.78	50	49	W	5	o	5
Shields	29.41	48	43	NSW	5	b	2	London	29.75	51	47	NSW	5	bc	*
Ardrossan ...	29.36	47	45	W	6	c	4	Yarmouth ...	29.67	48	46	NSW	4	bc	4
Malin Head ...	29.37	47	44	WNW	5	o	6	Jersey	29.91	51	50	W	5	o	4
Mullaghmore ...	29.56	45	42	WNW	7	cqrh	7	Rochefort ...	30.00	46	44	E	7	o	2
Belmullet ...	29.64	42	41	WNW	6	opq	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure varied from rather above 30·3 ins: over Spain and also over the south of Hungary and the Balkan Peninsula to somewhat below 29·1 ins: off the north of Scotland and west of Norway, where there was a large depression moving Eastwards. Strong W. and SW. winds consequently prevailed over Northern Europe and were accompanied by cloudy weather and some rain, while over Southern Europe the wind was extremely light and variable, and the weather fine. SW. gales have occurred in the west and north of the British Isles during the night. Temperature ranged from rather above 50° over the English Channel and also over the southern part of the Mediterranean to somewhat below the freezing point not only over Russia, but in a well marked zone, which extended from Madrid across the southern part of Central France, South Germany, and Austria to the Northern shores of the Black Sea. The highest individual readings were 62° at Malta, 60° at Alicante, 57° at Palma, 55° at Brindisi, 54° at Brest, and 52° at Scilly; the lowest 12° at Archangel, 19° at Clermont, 23° at Moscow and Hermanstadt and 25° at Budapesth.

During the day the depression in the north moved Eastwards and began to develop a "hollow" over the British Isles. The wind then shifted to N. in the west, and temperature fell fast, with clearing weather, sharp frost occurring on the grass at inland stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8. p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR NOV^R 1886

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
1	Coruna....	*	*	*	*	*	30·25	+·06	56	55	0	W	1	0	4	66	52	0·20
2	Coruna...	*	*	*	*	*	30·37	+·12	51	49	−5	NNW	5	bc	4	63	48	-
3	Lyons	30·36	52	NNE	1	n	30·37	-	49	-	-	E	3	c	4	57	49	0·43
..	Nice	30·34	56	Z	0	0	30·28	−·08	52	-	+2	E	3	c	1	63	50	-
..	Coruna...	*	*	*	*	*	30·38	+·0[illegible]	46	44	−5	NNW	3	c	5	61	45	0·04
4	Coruna...	*	*	*	*	*	30·21	−·17	58	57	+·12	SW	1	n	4	63	45	0·35
..	Lisbon.....	30·31	58	NNW	7	b	-	-	-	-	-	-	-	-	-	-	-	-
5	Coruna...	*	*	*	*	*	29·75	−·46	61	59	+3	SW	8	n	4	63	53	c·68
6	Coruna..	*	*	*	*	*	29·71	−·04	50	-	−11	W	1	n	5	?	?	0·20
8	Coruna..	*	*	*	*	*	30·08	+·37	42	40	−3	ESE	1	b	4	55	41	0·68
9	Coruna..	*	*	*	*	*	29·55	−·53	50	49	+8	WSW	9	n	4	55	?	0·71
10	Coruna..	*	*	*	*	*	29·37	−·18	43	42	−7	ESE	1	n	5	54	43	0·32
11	Perpignan..	29·37	51	S	3	c	29·63	+·33	38	-	−7	SW	2	bc	*	64	36	-
..	Coruna ..	*	*	*	*	*	29·61	+·24	44	43	+1	E	1	n	6	54	39	0·35
12	Coruna..	*	*	*	*	*	29·47	−·14	44	43	0	WSW	3	c	4	54	43	0·32
13	Coruna...	*	*	*	*	*	29·58	+·41	50	50	+6	Z	0	c	4	59	?	0·32
15	Lyons	29·88	49	N	1	0	29·95	+·11	46	?	+3	SW	1	0	*	51	?	0·04
..	Coruna..	*	*	*	*	*	29·84	−·21	54	-	+3	ESE	5	c	1	77	41	-
16	Coruna..	*	*	*	*	*	29·97	+·13	53	48	−1	N	4	c	4	59	48	0·08
17	The Helder....	29·62	48	NNW	3	0	29·61	+·05	40	-	−10	S	3	c	1	52	39	0·24
..	Lyons	29·90	53	S	1	0	30·09	+·22	46	-	+5	NNE	1	f	*	57	?	0·51
..	Nice	29·98	53	W	1	0	30·01	+·04	54	-	+8	E	3	n	1	61	?	-
18	Coruna..	*	*	*	*	*	30·32	+·12	50	50	−2	ENE	3	0	4	59	48	0·08
20	Coruna..	*	*	*	*	*	30·22	−·03	41	40	−2	ESE	4	b	4	59	41	-
23	Coruna..	*	*	*	*	*	30·32	+·08	49	46	+7	E	3	b	3	64	?	-
25	Coruna..	*	*	*	*	*	30·33	−·01	51	51	+6	ENE	9	b	5	55	43	-
26	Coruna...	*	*	*	*	*	30·21	−·12	52	-	+1	ENE	8	bc	6	57	48	-
..	Malin Hd 2pm	-	-	-	-	-	30·47	-	49	49	-	Z	0	0	1	-	-	-
27	The Helder..	30·37	49	N	4	c	30·40	+·01	46	45	−2	N	1	c	2	?	46	0·04
..	Lorient....	30·39	46	ENE	3	0	30·39	−·05	45	-	−3	ENE	3	m	1	50	43	-
-	Coruna...	*	*	*	*	*	30·11	−·10	45	-	−7	E	4	b	3	57	36	-
29	Coruna	*	*	*	*	*	30·37	+·07	44	42	−2	ENE	1	b	2	61	41	-
30	Coruna...	*	*	*	*	*	30·28	−·09	48	46	+4	NNW	5	c	5	61	43	0·24

Continued on Page 4.

SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC REPORTING

Observations are made at 8 a.m. daily, but the numbers of days of Rain, Snow, Hail,

(The Stations are grouped in Districts, and then arranged in order of

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m.	Air Temperature. At 8 a.m.	Means of: Minima	Means of: Maxima	Means of: Min. and Max. combined	Absolute Extremes: Minimum	Absolute Extremes: Date	Absolute Extremes: Maximum	Absolute Extremes: Date	Tension of Vapour
		ins.	°	°	°	°	°		°		ins.
0. SCOTLAND, N.	Sumburgh Head ...	29·647	45·2	41·2	49·1	44·7	34	18th	53	20th	0·266
	Wick	29·697	43·4	37·8	48·4	43·4	31	14th+15th	56	19th	·247
	Stornoway	29·695	43·8	38·6	48·2	43·4	31	5th 6th+9th	53	19th 23rd, 24th +25th	·263
1. SCOTLAND, E.	Nairn...	29·720	43·5	37·1	49·5	43·3	29	22nd	57	19th+20th	·235
	Aberdeen	29·750	41·8	37·7	47·9	42·8	32	19th	55	20th+25th	·235
	Leith	29·785	43·4	38·5	49·5	44·0	30	22nd	58	20th	·247
2. ENGLAND, N.E.	Shields	29·809	43·1	38·7	49·2	44·0	32	22nd	56	20th	·239
	York	29·860	40·9	36·5	48·3	42·4	28	22nd	55	1st+2nd	·236
	Spurn Head	29·858	44·2	40·9	48·2	44·6	36	8th 9th+27th	57	1st	·265
3. ENGLAND, E.	Yarmouth	29·885	44·5	40·1	49·8	45·0	33	8th 9th 19th+20th	58	1st	·271
	Cambridge	29·902	41·8	36·5	49·4	43·0	27	24th+25th	58	1st	·251
4. MIDLAND COUNTIES.	Loughborough ...	29·883	41·7	38·3	48·9	43·6	29	8th+22nd	59	1st	·245
	Oxford	29·915	41·7	38·3	48·7	43·5	28	24th+25th	59	1st	·245
5. ENGLAND, S.	London	29·921	42·4	38·3	50·2	44·3	28	24th+25th	60	2nd	·249
	Dungeness	29·908	45·9	41·4	52·0	46·7	31	19th	59	1st	·298
	Hurst Castle... ...	29·924	46·0	41·0	51·1	46·1	30	8th	58	1st	·285
6. SCOTLAND, W.	Ardrossan	29·792	45·3	41·5	50·0	45·8	35	8th	57	20th	·292
7. ENGLAND, N.W.	*Hawes Junction ...	28·598	39·6	36·2	43·9	40·1	30	19th 22nd 26th	51	25th	·239
	Barrow-in-Furness ...	29·832	44·9	42·2	48·3	45·3	38	8th 25th+26th	54	3rd	·261
	Liverpool Obs^y. (Bidston)	29·852	44·5	42·2	49·2	45·7	39	3rd 6th 11th 12th 17th 19th	56	1st+19th	·257
	Holyhead	29·850	47·7	45·4	50·8	48·1	41	12th	56	3rd	·294
8. ENGLAND, S.W.	Pembroke	29·892	48·3	45·8	51·0	48·4	41	6th 9th+10th	55	1st+3rd	·316
	Prawle Point ...	29·940	46·9	42·3	51·9	47·1	36	8th+10th	58	2nd	·281
9. IRELAND, N.	Malin Head	29·767	46·1	42·5	49·6	46·1	37	6th+16th	54	19th	·279
	Donaghadee	29·826	45·0	40·1	49·6	44·9	31	6th	54	3rd+19th	·277
	Mullaghmore ...	29·813	46·9	42·2	50·8	46·5	34	9th	57	23rd	·276
	Belmullet	29·838	47·4	44·1	50·0	47·1	34	9th	55	2nd	·291
10. IRELAND, S.	Parsonstown	29·890	43·0	38·2	49·4	43·8	29	10th+27th	57	19th	·253
	Valencia	29·917	48·3	44·9	52·7	48·8	37	9th+10th	57	3rd	·304
	Roche's Point ...	29·911	47·0	43·3	52·7	48·0	36	9th	58	24th	·291
CHANNEL ISLANDS.	Scilly (St. Mary's) ..	29·930	50·7	47·0	52·9	50·0	42	6th+9th	58	1st	·304
	Jersey (Noirmont) ...	29·954	48·6	45·5	52·6	49·1	41	24th+25th	59	1st	·302

* Hawes Junction is 1185 feet above mean Sea Level and the

STATIONS in the BRITISH ISLANDS during the Month of NOVEMBER 1886.

Thunderstorms and Gales are counted irrespective of the hours at which they occurred.

Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall. Total Fall in the month	Rainfall. Maximum Fall in one day	Rainfall. Date	Weather — No. of Days of: Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	Wind — No. of Observation of: North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%		ins.	in.																	
89	8·2	4·38	0·82	3rd	27	2	0	0	1	17	1	4	1	0	5	4	5	7	1	3
88	6·1	2·80	0·45	30th	20	2	1	0	2	8	4	4	0	1	0	7	5	5	6	2
92	6·5	5·73	0·60	3rd	26	5	5	0	7	12	11	4	1	0	0	10	8	4	2	1
83	5·9	2·05	0·35	20th	18	0	0	0	6	6	1	2	1	0	0	2	9	6	3	7
89	4·7	2·14	0·38	6th	19	1	0	1	12	6	4	3	1	0	0	6	8	8	3	1
88	5·3	1·57	0·45	5th	14	0	0	0	12	9	2	2	2	0	1	3	5	13	4	0
85	6·4	2·74	1·28	5th	9	0	0	0	6	8	1	1	3	0	1	4	9	7	2	3
93	6·2	1·56	0·55	5th	16	0	0	0	9	13	0	3	1	2	2	10	3	4	4	1
92	4·9	1·73	0·79	11th	13	0	0	0	9	3	3	2	2	0	1	7	8	4	6	0
92	6·1	2·84	0·55	5th	21	1	0	0	7	10	3	1	1	1	1	4	7	8	6	1
96	6·3	2·27	0·65	11th	13	0	0	0	9	15	0	3	1	0	2	9	6	4	2	3
93	7·9	1·25	0·27	9th 41th	15	0	0	0	1	18	1	1	1	0	7	3	6	7	4	1
93	7·4	2·54	0·55	5th	17	0	0	0	6	17	0	1	1	1	2	5	9	3	4	4
92	7·2	2·96	0·64	11th	15	0	0	0	6	15	2	0	0	2	4	7	6	8	1	2
94	7·8	4·47	0·86	5th	19	0	2	1	2	15	2	4	4	0	1	3	4	8	6	0
92	6·4	4·10	0·70	10th	20	0	0	0	4	8	4	3	6	1	1	1	6	7	5	0
90	6·1	3·22	0·85	3rd	18	0	0	0	10	14	2	4	2	3	3	4	4	2	6	2
99	8·9	7·77	1·38	5th	27	3	2	0	3	26	2	0	2	4	4	8	7	2	1	2
88	8·0	4·50	0·72	5th	25	0	1	0	1	17	4	3	7	3	7	2	3	2	3	0
88	7·5	3·18	1·64	5th	23	0	2	0	4	18	1	2	2	1	8	5	4	6	2	0
89	7·1	5·20	1·53	5th	25	0	0	0	1	10	3	3	5	1	0	5	7	6	2	1
94	8·1	4·27	0·71	5th	24	0	0	0	0	13	4	3	3	2	1	5	4	6	6	0
88	7·2	2·65	0·42	10th	20	0	0	0	2	12	5	4	4	2	0	1	5	8	6	0
90	7·7	4·59	0·76	14th	24	0	4	0	5	20	2	2	4	0	0	8	8	3	5	0
93	5·0	2·81	0·51	11th	23	0	0	0	8	6	6	1	7	0	1	0	10	9	2	0
87	7·4	4·48	0·60	3rd	22	0	2	1	2	11	10	6	1	1	0	4	12	1	3	2
90	8·0	6·95	1·00	14th	28	0	0	0	2	19	4	4	2	0	2	2	8	8	4	0
91	7·4	3·01	0·50	5th	19	0	0	0	3	14	0	2	0	0	0	4	7	2	3	12
90	7·3	4·91	0·60	11th	25	0	1	0	2	13	7	3	3	2	2	6	3	7	3	1
91	4·9	2·45	0·45	11th	21	1	0	0	12	8	2	3	2	0	1	2	7	9	5	1
83	8·7	2·80	0·36	5th	23	0	1	0	0	18	6	1	2	4	1	3	5	8	6	0
89	7·6	4·03	0·86	6th	20	0	3	0	0	15	3	1	4	3	3	2	6	6	5	0

Barometric Observations at this Station are not corrected for altitude.

2. CORRECTIONS.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.									PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
1	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-
"	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-
3	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
-	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
-	Stornoway 2pm	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-
5	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-
-	York	-	-	-	-	-	29.51	-	-	-	-	-	-	-	-	-	-	-
6	Spurn Head	-	49	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
"	Jersey	29.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Ardrossan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
"	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-
9	Oxford	-	-	-	-	-	-	-	-	-	-	SSE.	-	-	-	-	-	-
10	Valencia	29.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Ardrossan 2pm	-	-	-	-	-	-	-	-	-	-	1	2	-	1	-	-	-
11	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-
"	Nairn	-	-	-	-	-	-	-	-	-	-	SSW	-	-	-	-	-	-
"	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
12	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24
"	Mullaghmore	29.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Cambridge	-	-	-	-	-	-	-	41	-	- 5	-	-	-	-	-	-	-
13	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13
"	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	0.01
14	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
"	Mullaghmore	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-
17	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
18	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07
"	Parsonstown	29.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Mullaghmore 2pm	-	-	-	-	-	29.99	-	49	-	-	-	-	-	-	-	-	-
19	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
20	York	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-
"	Ardrossan	30.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Hernösand	30.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-
22	Barrow-in-Fur.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
-	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	45	-
"	Cambridge	-	-	-	-	-	-	-	44	44	- 4	-	-	-	-	-	-	-
23	Barrow-in-Fur.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
24	Sumburgh Hd	-	-	-	-	-	30.38	+.04	-	-	-	-	-	-	-	-	-	-
"	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	-
25	York	-	-	-	-	-	30.62	-	-	-	-	-	-	-	-	-	-	-
-	Dungeness	-	-	-	-	-	30.54	-.10	-	-	-	-	-	-	-	-	-	-
29	Liverpool	-	-	SSW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	29.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25